

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	9	>200.0	0	0.000	< 0	< 12.756	27.400
Ammonium	mg NH4/l	S	10	18	>0.50	0	0.000	< 0.000	< 0.012	0.044
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.015
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	7.000	7.000	7.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.425	0.800
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	13.400	13.400	13.400
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	5.812	5.812	5.812
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.830	0.830	0.830
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	52	51		0	0.000	0.000	171.922	2318.00
Colony Counts 37 (48hrs)		S	52	51		0	0.000	0.000	5.941	138.000
Colour	mg/l Pt/C	S	10	9	>20.00	40	0.000	1.800	4.056	7.900
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 2.400	< 25.075	75.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.034	< 0.090
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	0.090
E_Coli		S	96	95	>0	1	1.053	0.000	0.105	10.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	266.397	266.397	266.397
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	96	95		0	0.000	0.000	0.097	0.560
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1303 - Ballymena Borough Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	60	55	9.50	0	0.000	5.950	7.218	8.010
Iron	ug Fe/l	I	48	46	>200	0	0.000	< 2.000	< 56.587	177.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.505	1.089
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	0.010
Magnesium		S	1	1	>50.00	0	0.000	2.600	2.600	2.600
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	500	0.000	< 1.000	< 1.778	4.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.200	2.200	2.200
Nitrate	mg NO3/l	S	10	18	>50.00	0	0.000	0.193	2.461	7.910
Nitrite	mg NO2/l	S	10	17	>0.100	0	0.000	< 0.000	< 0.003	0.014
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	61		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.800	0.800	0.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.005	0.008	0.011
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	6.800	6.800	6.800
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.552	2.552	2.552
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	61		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	9.000	11.950	16.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	96	95		0	0.000	0.000	0.087	0.510
Total Coliforms		S	96	95	>0	2	2.105	0.000	0.274	25.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.028	0.050
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.068	0.121
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	27.700	76.475	97.900
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	27.700	76.475	97.900
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.110	< 0.189	0.310
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.800	< 8.900	18.000
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron

Water Supply Zone - Z1303 - Ballymena Borough Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 37932

This zone has a surface water source :R3301

PCV Exceedences:
 Sample failed 15-AUG-2002 (Z1303AE) E_Coli = 10.
 Sample failed 15-AUG-2002 (Z1303AE) Total Coliforms = 25.
 Sample failed 11-OCT-2002 (Z1303AE) Total Coliforms = 1.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 5.700	< 31.550	88.300
Ammonium	mg NH4/l	S	4	3	>0.50	0	0.000	< 0.000	< 0.027	0.080
Antimony	ug Sb/l	S	1	2	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	2	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.025	0.040
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.019
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	2	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	2	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	2	>5.0	0	0.000	< 0.000	< 0.045	< 0.090
Calcium		S	1	1	>250.0	0	0.000	13.500	13.500	13.500
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	13.724	13.724	13.724
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	2	>50	0	0.000	0.560	0.560	0.560
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	12	24		0	0.000	0.000	13.375	290.000
Colony Counts 37 (48hrs)		S	12	24		0	0.000	0.000	0.833	7.000
Colour	mg/l Pt/C	S	4	4	>20.00	40	0.000	3.300	4.925	6.100
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 0.300	< 21.250	45.400
Cyanide	ug CN/l	S	1	2	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	0.005	< 0.076	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	12	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	12	24		0	0.000	0.000	0.218	1.010
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z1305 - Oaklands Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	11	9.50	0	0.000	7.060	7.682	8.640
Iron	ug Fe/l	I	12	23	>200	4	17.391	< 1.000	< 86.348	324.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.014	0.030
Lead	ug Pb/l	S	4	5	>50.0	0	0.000	< 0.018	< 4.392	18.300
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	2.900	2.900	2.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 3.250	4.000
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	2	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	2	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	0.854	4.313	7.944
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	11		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.800	2.800	2.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	0.000	0.000	0.000
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	2	>10.0	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	2	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.009	0.013
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	6.100	6.100	6.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	22.088	22.088	22.088
Surfactants	ug/l L.SO	S	1	2	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	11		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	10.000	12.500	14.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.150	0.200
Total - Residual disinfemg Cl/l		S	12	24		0	0.000	0.010	0.234	1.010
Total Coliforms		S	12	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.062	0.099
Total Trihalomethanes	ug/l	S	4	11	>100.0	2	18.182	32.100	78.709	125.500
Total Trihalomethanes	ug/l	I	12	11	>100.0	2	18.182	32.100	78.709	125.500
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.000	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.120	0.310
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.200	< 5.625	8.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z1305 - Oaklands Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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

Population of zone = 669

PCV Exceedences:
 Sample failed 02-JAN-2002 (Z1305AE) Iron = 204.
 Sample failed 18-FEB-2002 (Z1305AE) Iron = 237.
 Sample failed 19-MAR-2002 (Z1305AE) Iron = 268.
 Sample failed 30-SEP-2002 (Z1305AE) Iron = 324.
 Sample failed 02-SEP-2002 (Z1305AE) Total Trihalomethanes = 125.500.
 Sample failed 01-JUL-2002 (Z1305AE) Total Trihalomethanes = 119.700.
 Sample failed 02-SEP-2002 (Z1305AE) Total Trihalomethanes = 125.500.
 Sample failed 01-JUL-2002 (Z1305AE) Total Trihalomethanes = 119.700.

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

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	S	4	5	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	5	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	10	>200.0	0	0.000	23.300	45.620	87.500
Ammonium	mg NH4/l	I	36	16	>0.50	1	6.250	< 0.000	< 0.091	1.068
Antimony	ug Sb/l	S	1	2	>10.0	0	0.000	< 0.050	< 0.075	0.100
Arsenic	ug As/l	S	1	2	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	5	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.023	0.069
Azinphos methyl	ug/l	S	4	5	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	2	>1000	0	0.000	7.000	14.500	22.000
Bentazone	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	5	>10.0	0	0.000	< 0.100	< 0.220	0.700
Boron	ug B/l	S	1	2	>2000.0	0	0.000	< 11.000	< 13.000	15.000
Cadmium	ug Cd/l	S	1	2	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	18.300	18.300	18.300
Chlorfenvinphos	ug/l	S	4	5	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	11.313	11.313	11.313
Chlorpropham	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.007	< 0.024	< 0.090
Chromium	ug Cr/l	S	1	2	>50	0	0.000	0.410	0.600	0.790
Clopyralid	ug/l	S	4	5	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	52	50		0	0.000	0.000	22.120	379.000
Colony Counts 37 (48hrs)		S	52	50		0	0.000	0.000	0.820	13.000
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	1.500	2.170	3.300
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	4.800	8.725	13.100
Cyanide	ug CN/l	S	1	2	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	5	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	5	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	5	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	5	>0.10	0	0.000	< 0.015	< 0.030	< 0.090
Dieldrin	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	5	>0.10	0	0.000	< 0.007	< 0.024	0.090
E_Coli		S	84	118	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	5	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.021	< 0.088
Endosulphan-b	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.021	< 0.090
Endrin	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	5	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	5	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 18.751	< 18.751	< 18.751
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	84	120		0	0.000	0.000	0.394	1.450
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	5	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1311 - Moyola Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	56	9.50	0	0.000	6.870	7.712	8.330
Iron	ug Fe/l	I	36	48	>200	0	0.000	< 0.000	< 19.792	155.000
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.009	< 0.026	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.000	< 0.625	1.200
MCPA	ug/l	I	12	5	>0.10	2	40.000	0.020	0.100	0.250
Magnesium		S	1	1	>50.00	0	0.000	2.200	2.200	2.200
Malathion	ug/l	S	4	5	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 1.000	< 4.200	11.000
Mecoprop (MCP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.019	0.040
Mercury	ug Hg/l	S	1	2	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	2	>50.00	0	0.000	< 1.000	< 1.400	1.800
Nitrate	mg NO3/l	S	10	16	>50.00	0	0.000	0.472	4.535	9.772
Nitrite	mg NO2/l	S	10	14	>0.100	0	0.000	< 0.000	< 0.029	0.094
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	60		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.800	0.800	0.800
Parathion	ug/l	S	4	5	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propetamphos	ug/l	S	4	5	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	2	>10.0	0	0.000	< 0.300	< 0.600	0.900
Silver	ug Ag/l	S	1	2	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	5	>0.100	0	0.000	< 0.005	< 0.010	0.014
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.400	5.400	5.400
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	38.303	38.303	38.303
Surfactants	ug/l L.SO	S	1	2	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	60		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	0.000	11.300	15.500
Terbutryne	ug/l	S	4	5	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	5	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	84	120		0	0.000	0.000	0.435	1.490
Total Coliforms		S	84	118	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	5	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	5	>0.5000	0	0.000	< 0.050	< 0.171	0.377
Total Trihalomethanes	ug/l	S	4	7	>100.0	1	14.286	33.700	66.114	137.700
Total Trihalomethanes	ug/l	I	12	7	>100.0	1	14.286	33.700	66.114	137.700
Trichloroethene	ug/l	S	4	5	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.006	< 0.015
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.060	< 0.183	0.550
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 1.900	< 3.900	7.500
op-DDT	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	5		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Ammonium, Iron, MCPA, Total Trihalomethanes

Water Supply Zone - Z1311 - Moyola
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 33696

This zone has a surface water source :R1301

PCV Exceedences:

Sample failed 09-OCT-2002 (Z1311AE) Ammonium = 1.07.
 Sample failed 05-AUG-2002 (Z1311AE) MCPA = 0.25 ug/l.
 Sample failed 05-NOV-2002 (Z1311AE) MCPA = 0.19 ug/l.
 Sample failed 05-AUG-2002 (Z1311AE) Total Trihalomethanes = 137.700.
 Sample failed 05-AUG-2002 (Z1311AE) Total Trihalomethanes = 137.700.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	35	>200.0	1	2.857	11.300	71.569	248.600
Ammonium	mg NH4/l	I	24	17	>0.50	1	5.882	< 0.000	< 0.094	1.280
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.023	0.030
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.013	0.028
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	13.000	13.000	13.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	0.150	0.150	0.150
Calcium		S	1	1	>250.0	0	0.000	18.700	18.700	18.700
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	5.835	5.835	5.835
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.670	0.670	0.670
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	48	51		0	0.000	0.000	179.353	2528.00
Colony Counts 37 (48hrs)		S	48	51		0	0.000	0.000	8.451	234.000
Colour	mg/l Pt/C	S	6	10	>20.00	0	0.000	< 0.100	< 2.070	3.500
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 2.100	< 33.625	125.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	48	83	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	264.396	264.396	264.396
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	84		0	0.000	0.000	0.200	0.870
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z1312 - Lough Fea Printed On 27-AUG-2004 : Water Service										: Period 01-JAN-2002 to 31-DEC-2002 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.	
Hydrogen Ion	pH value	S	24	40	9.50	0	0.000	5.900	8.052	9.480	
Iron	ug Fe/l	I	24	35	>200	2	5.714	< 1.000	< 43.571	337.000	
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009	
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.116	< 0.296	< 0.483	
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.016	0.040	
Magnesium		S	1	1	>50.00	0	0.000	2.000	2.000	2.000	
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021	
Manganese	ug Mn/l	S	6	10	>50.0	0	0.000	< 1.000	< 2.400	6.000	
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.013	0.030	
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100	
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	4.900	4.900	4.900	
Nitrate	mg NO3/l	S	6	17	>50.00	0	0.000	0.469	2.230	22.026	
Nitrite	mg NO2/l	S	6	17	>0.100	0	0.000	< 0.000	< 0.016	0.026	
Odour	Diln No	S	6	10	>3	0	0.000	0.000	0.000	0.000	
Odour - Intensity		S	24	42		0	0.000	0.000	0.000	0.000	
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.300	1.300	1.300	
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013	
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006	
Phosphorous		S	1	0	>2200	0	0				
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700	
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017	
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800	
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500	
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.009	0.016	
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.000	5.000	5.000	
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.562	2.562	2.562	
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000	
Taste	Diln No	S	6	10	>3	0	0.000	0.000	0.100	1.000	
Taste - Intensity		S	24	42		0	0.000	0.000	0.000	0.000	
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010	
Temperature	Deg C	S	6	10	>25.0	0	0.000	8.000	11.750	16.000	
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010	
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300	
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	0.100	0.100	0.100	
Total - Residual disinfe mg Cl/l		S	48	84		0	0.000	0.000	0.215	0.900	
Total Coliforms		S	48	83	>0	1	1.205	0.000	0.012	1.000	
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020	
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.072	0.117	
Total Trihalomethanes	ug/l	S	4	6	>100.0	1	16.667	32.700	77.000	125.000	
Total Trihalomethanes	ug/l	I	12	6	>100.0	1	16.667	32.700	77.000	125.000	
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600	
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.007	
Turbidity	FTU	S	6	10	>4.00	0	0.000	< 0.040	< 0.224	1.260	
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.200	<238.850	935.000	
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006	
pp-DDT	ug/l	S	4	3		0	0.000	< 0.005	< 0.005	< 0.006	

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Ammonium, Iron, Total Trihalomethanes

Water Supply Zone - Z1312 - Lough Fea Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 18588

This zone has a surface water source :R1302

PCV Exceedences:
 Sample failed 08-FEB-2002 (Z1312AE) Aluminium = 248.6.
 Sample failed 07-OCT-2002 (Z1312AE) Ammonium = 1.28.
 Sample failed 18-FEB-2002 (Z1312AE) Iron = 337.
 Sample failed 19-FEB-2002 (Z1312AE) Iron = 273.
 Sample failed 15-OCT-2002 (Z1312AE) Total Coliforms = 1.
 Sample failed 07-AUG-2002 (Z1312AE) Total Trihalomethanes = 125.000.
 Sample failed 07-AUG-2002 (Z1312AE) Total Trihalomethanes = 125.000.

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	10	>200.0	0	0.000	< 1.000	< 17.180	49.100
Ammonium	mg NH4/l	S	6	10	>0.50	0	0.000	< 0.000	< 0.003	0.024
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.500	0.500	0.500
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.023	0.030
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.008	0.011
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.300	0.700
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	36.500	36.500	36.500
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	5.891	5.891	5.891
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	2.610	2.610	2.610
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	48	53		0	0.000	0.000	56.660	1000.00
Colony Counts 37 (48hrs)		S	48	53		0	0.000	0.000	7.736	304.000
Colour	mg/l Pt/C	S	6	10	>20.00	40	0.000	< 0.100	< 1.490	3.900
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	37.300	129.825	352.800
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	48	61	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	264.430	264.430	264.430
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	61		0	0.000	0.000	0.106	0.753
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z1314 - Bellaghy Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	40	9.50	0	0.000	6.970	7.386	8.790
Iron	ug Fe/l	S	6	10	>200	0	0.000	< 1.000	< 36.200	108.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.000	< 0.340	0.819
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	13.400	13.400	13.400
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	10	>50.0	500	0.000	< 1.000	< 1.700	3.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Nitrate	mg NO3/l	S	6	10	>50.00	0	0.000	2.136	23.670	37.286
Nitrite	mg NO2/l	S	6	9	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	6	10	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	42		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.800	2.800	2.800
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	3.000	3.000	3.000
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	2.500	2.500	2.500
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.006	0.008
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	12.500	12.500	12.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.551	2.551	2.551
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	10	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	42		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	6	9	>25.0	0	0.000	8.000	11.389	15.500
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	48	61		0	0.000	0.000	0.119	0.830
Total Coliforms		S	48	61	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.037	0.070
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	21.800	40.933	53.600
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	21.800	40.933	53.600
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S	6	10	>4.00	0	0.000	< 0.030	< 0.143	0.290
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.600	< 72.775	273.100
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

Population of zone = 13746

Water Supply Zone - Z1314 - Bellaghy									
Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

This zone has a surface water source :R3301

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 0	< 2.555	< 9.200
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.056	0.224
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	30.600	30.600	30.600
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	14.264	14.264	14.264
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.600	1.600	1.600
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	12	24		0	0.000	0.000	6.667	56.000
Colony Counts 37 (48hrs)		S	12	24		0	0.000	0.000	0.042	1.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.300	< 0.525	< 0.700
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	24.600	58.825	90.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.034	< 0.090
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	0.090
E_Coli		S	12	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	42.947	42.947	42.947
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	12	24		0	0.000	0.080	0.588	0.920
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1316 - Buckna Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	12	9.50	0	0.000	6.750	6.958	7.300
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 1.000	< 4.750	< 8.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.248	< 0.402
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	13.900	13.900	13.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 0.000	< 1.250	< 2.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	16.250	21.164	32.005
Nitrite	mg NO2/l	S	4	4	>0.100	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
Odour - Intensity		S	6	12		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.200	0.200	0.200
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.000	1.000	1.000
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.200	11.200	11.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	8.721	8.721	8.721
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	12		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.000	12.125	15.500
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	12	24		0	0.000	0.050	0.605	0.890
Total Coliforms		S	12	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.060	0.090
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	11.900	21.750	38.400
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	11.900	21.750	38.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.000	< 0.109	0.320
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 4.200	< 6.650	10.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

Population of zone = 4782

Water Supply Zone - Z1316 - Buckna									
Printed On 27-AUG-2004 : Water Service					: Period 01-JAN-2002 to 31-DEC-2002 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.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	6	9	>200.0	0	0.000	13.500	64.600	177.900
Ammonium	mg NH4/l	I	24	11	>0.50	1	9.091	< 0.000	< 0.107	0.984
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.035	< 0.090
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	28.000	28.000	28.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Benzo 3 4 pyrene	ng/l	I	12	8	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	14.000	14.000	14.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	25.800	25.800	25.800
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	5.817	5.817	5.817
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	48	46		0	0.000	0.000	99.304	3335.00
Colony Counts 37 (48hrs)		S	48	46		0	0.000	0.000	0.348	6.000
Colour	mg/l Pt/C	S	6	10	>20.00	0	0.000	1.200	2.080	3.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	8.500	11.575	15.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	48	46	>0	1	2.174	0.000	0.022	1.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.022	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	267.783	267.783	267.783
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	46		0	0.000	0.000	0.208	0.650
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1317 - Mormeal Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	25	9.50	0	0.000	6.730	7.581	8.310
Iron	ug Fe/l	S	6	24	>200	0	0.000	< 0.000	< 29.042	162.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	5	>50.0	0	0.000	< 0.100	< 0.750	2.900
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.038	0.080
Magnesium		S	1	1	>50.00	0	0.000	4.900	4.900	4.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	10	>50.0	0	0.000	< 1.000	< 3.200	6.000
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.018	0.040
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	11	>50.00	0	0.000	0.394	3.836	8.979
Nitrite	mg NO2/l	I	24	11	>0.100	1	9.091	0.019	0.054	0.303
Odour	Diln No	S	6	9	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.100	1.100	1.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	2.700	2.700	2.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.009	0.011
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	24.700	24.700	24.700
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.639	2.639	2.639
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	9	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	6	10	>25.0	0	0.000	8.000	11.860	15.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	48	46		0	0.000	0.000	0.252	0.750
Total Coliforms		S	48	46	>0	2	4.348	0.000	0.261	11.000
Total PAH	ug/l	I	12	8	>0.20	0	0.000	< 0.020	< 0.039	0.150
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.079	0.153
Total Trihalomethanes	ug/l	S	4	8	>100.0	1	12.500	73.300	88.600	151.200
Total Trihalomethanes	ug/l	I	12	8	>100.0	1	12.500	73.300	88.600	151.200
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	6	10	>4.00	0	0.000	< 0.060	< 0.106	0.230
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 4.400	< 7.900	13.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Ammonium, Benzo 3 4 pyrene, Nitrite, Total PAH, Total Trihalomethanes

Water Supply Zone - Z1317 - Mormeal Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 10329

This zone has a surface water source :R1301

PCV Exceedences:
 Sample failed 09-OCT-2002 (Z1317AE) Ammonium = 0.98.
 Sample failed 19-JUN-2002 (Z1317AE) E_Coli = 1.
 Sample failed 06-NOV-2002 (Z1317AE) Nitrite = 0.30.
 Sample failed 27-AUG-2002 (Z1317AE) Total Coliforms = 11.
 Sample failed 19-JUN-2002 (Z1317AE) Total Coliforms = 1.
 Sample failed 07-AUG-2002 (Z1317AE) Total Trihalomethanes = 151.200.
 Sample failed 07-AUG-2002 (Z1317AE) Total Trihalomethanes = 151.200.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	11	>200.0	0	0.000	< 1.000	< 23.584	44.000
Ammonium	mg NH4/l	S	6	9	>0.50	0	0.000	< 0.000	< 0.019	0.052
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.023	0.030
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.500	1.500
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	2	>250.0	0	0.000	13.000	27.050	41.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	13.408	13.408	13.408
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	48	46		0	0.000	0.000	364.130	5817.00
Colony Counts 37 (48hrs)		S	48	46		0	0.000	0.000	7.978	344.000
Colour	mg/l Pt/C	S	6	11	>20.00	0	0.000	< 0.100	< 1.745	4.200
Copper	ug Cu/l	S	4	5	>3000.0	0	0.000	< 2.100	< 54.300	110.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.020	< 0.050
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	48	46	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 16.810	< 16.810	< 16.810
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	47		0	0.000	0.000	0.146	0.650
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1318 - Dungonnell II Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	21	9.50	0	0.000	6.120	7.156	7.860
Iron	ug Fe/l	I	24	22	>200	2	9.091	< 8.000	< 88.955	263.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.290	< 0.380	< 0.500
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	2	>50.00	0	0.000	2.400	11.050	19.700
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	11	>50.0	0	0.000	< 1.000	< 6.727	47.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	10	>50.00	1	10.000	< 0.000	< 5.752	51.678
Nitrite	mg NO2/l	S	6	10	>0.100	0	0.000	< 0.000	< 0.001	0.012
Odour	Diln No	S	6	10	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	21		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.400	0.400	0.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	2	>12.00	0	0.000	0.700	0.750	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	2	>150.00	0	0.000	6.900	11.050	15.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	30.523	30.523	30.523
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	10	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	21		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	6	10	>25.0	0	0.000	5.000	8.700	11.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	48	47		0	0.000	0.000	0.173	0.860
Total Coliforms		S	48	46	>0	1	2.174	0.000	0.043	2.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	9	>100.0	1	11.111	0.000	57.478	141.700
Total Trihalomethanes	ug/l	I	12	9	>100.0	1	11.111	0.000	57.478	141.700
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	6	11	>4.00	0	0.000	< 0.000	< 0.098	0.390
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	5.700	7.750	10.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z1318 - Dungonnell II
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 18690

PCV Exceedences:

Sample failed 05-MAR-2002 (Z1318AE) Iron = 263.
 Sample failed 23-SEP-2002 (Z1318AE) Iron = 248.
 Sample failed 19-NOV-2002 (Z1318AE) Nitrate = 51.7.
 Sample failed 23-JUL-2002 (Z1318AE) Total Coliforms = 2.
 Sample failed 25-JUN-2002 (Z1318AE) Total Trihalomethanes = 141.700.
 Sample failed 25-JUN-2002 (Z1318AE) Total Trihalomethanes = 141.700.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	6	>200.0	0	0.000	39.500	49.150	70.400
Ammonium	mg NH4/l	S	6	13	>0.50	1	7.692	< 0.000	< 0.114	1.140
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.500	0.500	0.500
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.008	0.015	0.021
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	19.000	19.000	19.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	28.900	28.900	28.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	19.713	19.713	19.713
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.160	1.160	1.160
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	48	48		0	0.000	0.000	162.375	3775.00
Colony Counts 37 (48hrs)		S	48	48		0	0.000	0.000	0.333	4.000
Colour	mg/l Pt/C	S	6	6	>20.00	50	0.000	1.500	2.050	2.800
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	7.600	83.025	209.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.034	< 0.090
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	0.090
E_Coli		S	48	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 21.245	< 21.245	< 21.245
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	48		0	0.000	0.010	0.310	1.370
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1319 - Unagh Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	7.260	7.729	8.330
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 2.000	< 10.500	26.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 4.684	17.490
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.020	0.040
Magnesium		S	1	1	>50.00	0	0.000	6.300	6.300	6.300
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	500	0.000	< 1.000	< 2.000	4.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.013	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Nitrate	mg NO3/l	S	6	13	>50.00	0	0.000	0.487	4.968	9.931
Nitrite	mg NO2/l	S	6	12	>0.100	0	0.000	0.010	0.019	0.030
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.620	1.620	1.620
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	3.400	3.400	3.400
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.008	0.010	0.011
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	32.400	32.400	32.400
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	58.937	58.937	58.937
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	8.000	10.833	13.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	48	48		0	0.000	0.050	0.326	1.260
Total Coliforms		S	48	48	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	0.050	0.082	0.128
Total Trihalomethanes	ug/l	S	4	7	>100.0	1	14.286	16.100	56.686	115.100
Total Trihalomethanes	ug/l	I	12	7	>100.0	1	14.286	16.100	56.686	115.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.010	< 0.147	0.420
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.500	< 5.200	8.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Water Supply Zone - Z1319 - Unagh
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 12645

This zone has a surface water source :R1301

PCV Exceedences:

Sample failed 08-OCT-2002 (Z1319AE) Ammonium = 1.14.
 Sample failed 06-AUG-2002 (Z1319AE) Total Trihalomethanes = 115.100.
 Sample failed 06-AUG-2002 (Z1319AE) Total Trihalomethanes = 115.100.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 5.700	< 87.525	185.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.039	0.124
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	0.020	0.020	0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	13.000	13.000	13.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	24.200	24.200	24.200
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	12.893	12.893	12.893
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.560	0.560	0.560
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	12	12		0	0.000	0.000	198.500	2179.00
Colony Counts 37 (48hrs)		S	12	12		0	0.000	0.000	7.583	90.000
Colour	mg/l Pt/C	S	4	4	>20.00	50	0.000	1.300	2.950	6.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.100	< 27.825	79.300
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.020	< 0.050
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.020	0.202	0.400
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1329 - Diamond Pomeroy Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	6.700	8.085	9.360
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 8.000	< 33.250	96.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.262	< 0.544
MCPA	ug/l	I	12	4	>0.10	1	25.000	< 0.004	< 0.071	< 0.170
Magnesium		S	1	1	>50.00	0	0.000	2.200	2.200	2.200
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 2.000	< 2.500	4.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	< 0.000	< 1.380	3.003
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.004	0.015
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.100	1.100	1.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.600	5.600	5.600
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	47.757	47.757	47.757
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	11.000	12.750	15.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	12	12		0	0.000	0.060	0.230	0.470
Total Coliforms		S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.099	0.194
Total Trihalomethanes	ug/l	S	4	5	>100.0	0	0.000	26.500	63.820	93.000
Total Trihalomethanes	ug/l	S	4	5	>100.0	0	0.000	26.500	63.820	93.000
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.198	0.500
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	6.500	250.125	971.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for MCPA

Water Supply Zone - Z1329 - Diamond Pomeroy Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 1134

PCV Exceedences:
Sample failed 01-OCT-2002 (Z1329AE) MCPA = 0.17 ug/l.

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I	24	26	>200.0	1	3.846	< 2.280	<101.815	217.900
Ammonium	mg NH4/l	S	4	13	>0.50	0	0.000	< 0.000	< 0.036	0.220
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.038	< 0.090
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	11.000	11.000	11.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.533	1.400
Boron	ug B/l	S	1	1	>2000.0	0	0.000	11.000	11.000	11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	28.600	28.600	28.600
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	14.674	14.674	14.674
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	24	48		0	0.000	0.000	27.063	404.000
Colony Counts 37 (48hrs)		S	24	48		0	0.000	0.000	1.833	68.000
Colour	mg/l Pt/C	S	4	8	>20.00	0	0.000	2.200	3.888	6.500
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 0.300	< 6.300	21.600
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	24	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.031	< 0.088
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.004	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 1.158	< 1.158	< 1.158
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	24	48		0	0.000	0.010	0.177	0.800
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.002	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.002	< 0.004

Water Supply Zone - Z1515 - Tardree Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	23	9.50	0	0.000	6.820	7.983	8.940
Iron	ug Fe/l	I	24	28	>200	0	0.000	< 5.000	< 28.536	153.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.050	< 0.265	< 0.598
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	13.200	13.200	13.200
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	13	>50.0	0	0.000	< 1.000	< 2.077	6.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	I	12	4	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	13	>50.00	0	0.000	0.830	3.655	17.597
Nitrite	mg NO2/l	S	4	13	>0.100	0	0.000	< 0.000	< 0.016	0.022
Odour	Diln No	S	4	8	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	23		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.100	1.100	1.100
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	6.700	6.700	6.700
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.300	0.300	0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.008	0.014
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.300	10.300	10.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	5.058	5.058	5.058
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	8	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	23		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.010
Temperature	Deg C	S	4	8	>25.0	0	0.000	7.000	11.500	18.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	24	48		0	0.000	0.010	0.191	0.820
Total Coliforms		S	24	48	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.043	0.090
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	14	>100.0	1	7.143	5.600	64.379	108.400
Total Trihalomethanes	ug/l	I	12	14	>100.0	1	7.143	5.600	64.379	108.400
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	8	>4.00	0	0.000	< 0.010	< 0.110	0.230
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.800	< 63.650	243.900
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.033	< 0.090
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Mercury, Total Trihalomethanes

Water Supply Zone - Z1515 - Tardree
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 7593

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 02-JAN-2002 (Z1515AE) Aluminium = 217.9.
 Sample failed 06-AUG-2002 (Z1515AE) Total Trihalomethanes = 108.400.
 Sample failed 06-AUG-2002 (Z1515AE) Total Trihalomethanes = 108.400.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	12	>200.0	0	0.000	< 0	< 2.563	11.600
Ammonium	mg NH4/l	S	10	19	>0.50	0	0.000	< 0.000	< 0.058	0.421
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.016	0.025	0.034
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	21.000	21.000	21.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	17.000	17.000	17.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	36.400	36.400	36.400
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.899	23.899	23.899
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.860	0.860	0.860
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	52	52		0	0.000	0.000	60.788	769.000
Colony Counts 37 (48hrs)		S	52	52		0	0.000	0.000	11.827	148.000
Colour	mg/l Pt/C	S	10	12	>20.00	0	0.000	5.200	9.758	13.200
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	18.200	55.800	106.900
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.034	< 0.090
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli		S	108	99	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	45.790	45.790	45.790
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	108	99		0	0.000	0.010	0.242	9.000
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1516 - Dunore I Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	60	59	9.50	0	0.000	6.780	7.290	7.880
Iron	ug Fe/l	S	10	12	>200	0	0.000	< 1.000	< 19.833	41.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.378	0.943
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.009	0.010
Magnesium		S	1	1	>50.00	0	0.000	8.300	8.300	8.300
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	12	>50.0	0	0.000	< 1.000	< 3.333	11.000
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	19	>50.00	0	0.000	1.154	5.659	25.777
Nitrite	mg NO2/l	S	10	17	>0.100	0	0.000	< 0.000	< 0.012	0.022
Odour	Diln No	S	10	12	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	63		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	2	>5.00	0	0.000	3.480	3.690	3.900
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	4.300	4.300	4.300
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.200	1.200	1.200
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.016	0.019	0.022
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.300	11.300	11.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	14.904	14.904	14.904
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	12	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	63		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	13	>25.0	0	0.000	0.020	10.617	19.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	108	99		0	0.000	0.020	0.165	0.410
Total Coliforms		S	108	99	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.059	0.073
Total Trihalomethanes	ug/l	S	4	24	>100.0	10	41.667	14.000	89.009	151.800
Total Trihalomethanes	ug/l	I	24	24	>100.0	10	41.667	14.000	89.009	151.800
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	12	>4.00	0	0.000	< 0.080	< 0.194	0.540
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.600	< 6.525	11.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Water Supply Zone - Z1516 - Dunore I
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 40929

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 03-APR-2002 (Z1516AE) Total Trihalomethanes = 104.200.
 Sample failed 03-SEP-2002 (Z1516AE) Total Trihalomethanes = 123.100.
 Sample failed 02-JUL-2002 (Z1516AE) Total Trihalomethanes = 121.500.
 Sample failed 05-NOV-2002 (Z1516AE) Total Trihalomethanes = 114.300.
 Sample failed 01-OCT-2002 (Z1516AE) Total Trihalomethanes = 116.500.
 Sample failed 24-JUN-2002 (Z1516AE) Total Trihalomethanes = 151.800.
 Sample failed 25-JUN-2002 (Z1516AE) Total Trihalomethanes = 135.200.
 Sample failed 01-JUL-2002 (Z1516AE) Total Trihalomethanes = 101.400.
 Sample failed 02-SEP-2002 (Z1516AE) Total Trihalomethanes = 121.000.
 Sample failed 08-OCT-2002 (Z1516AE) Total Trihalomethanes = 123.200.
 Sample failed 03-APR-2002 (Z1516AE) Total Trihalomethanes = 104.200.
 Sample failed 03-SEP-2002 (Z1516AE) Total Trihalomethanes = 123.100.
 Sample failed 02-JUL-2002 (Z1516AE) Total Trihalomethanes = 121.500.
 Sample failed 05-NOV-2002 (Z1516AE) Total Trihalomethanes = 114.300.
 Sample failed 01-OCT-2002 (Z1516AE) Total Trihalomethanes = 116.500.
 Sample failed 24-JUN-2002 (Z1516AE) Total Trihalomethanes = 151.800.
 Sample failed 25-JUN-2002 (Z1516AE) Total Trihalomethanes = 135.200.
 Sample failed 01-JUL-2002 (Z1516AE) Total Trihalomethanes = 101.400.
 Sample failed 02-SEP-2002 (Z1516AE) Total Trihalomethanes = 121.000.
 Sample failed 08-OCT-2002 (Z1516AE) Total Trihalomethanes = 123.200.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	9	>200.0	0	0.000	< 0	< 5.544	34.300
Ammonium	mg NH4/l	S	4	13	>0.50	0	0.000	< 0.000	< 0.036	0.274
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	1.200	1.200	1.200
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.023	0.030
Atrazine	ug/l	S	4	3	>0.10	0	0.000	0.011	0.020	0.034
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	18.000	18.000	18.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	24.000	24.000	24.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	34.700	34.700	34.700
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.893	23.893	23.893
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.560	0.560	0.560
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	24	48		0	0.000	0.000	31.063	845.000
Colony Counts 37 (48hrs)		S	24	48		0	0.000	0.000	16.188	200.000
Colour	mg/l Pt/C	S	4	9	>20.00	0	0.000	5.400	8.822	13.400
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	9.000	26.975	48.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	24	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.031	< 0.088
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.004	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	43.973	43.973	43.973
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	24	48		0	0.000	0.070	0.188	0.710
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.002	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.002	< 0.004

Water Supply Zone - Z1518 - Dunore III Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	23	9.50	0	0.000	7.050	7.450	8.440
Iron	ug Fe/l	S	4	9	>200	0	0.000	< 1.000	< 9.667	23.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.356	< 0.638
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	8.000	8.000	8.000
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	9	>50.0	0	0.000	< 0.000	< 4.000	21.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.010	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	13	>50.00	0	0.000	1.150	5.485	9.857
Nitrite	mg NO2/l	S	4	12	>0.100	0	0.000	< 0.000	< 0.017	0.032
Odour	Diln No	S	4	9	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	23		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.200	4.200	4.200
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	4.200	4.200	4.200
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	2.800	2.800	2.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	0.006	0.014	0.020
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.300	11.300	11.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	13.936	13.936	13.936
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	9	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	23		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.010
Temperature	Deg C	S	4	9	>25.0	0	0.000	7.000	11.889	17.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	24	48		0	0.000	0.050	0.222	0.560
Total Coliforms		S	24	48	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.065	0.089
Total Trihalomethanes	ug/l	S	4	12	>100.0	7	58.333	15.100	97.408	142.100
Total Trihalomethanes	ug/l	I	12	12	>100.0	7	58.333	15.100	97.408	142.100
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	9	>4.00	0	0.000	< 0.030	< 0.146	0.410
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.900	< 6.475	8.100
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.033	< 0.090
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Water Supply Zone - Z1518 - Dunore III
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 9504

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 03-SEP-2002 (Z1518AE) Total Trihalomethanes = 119.700.
 Sample failed 02-JUL-2002 (Z1518AE) Total Trihalomethanes = 122.000.
 Sample failed 05-NOV-2002 (Z1518AE) Total Trihalomethanes = 107.500.
 Sample failed 03-APR-2002 (Z1518AE) Total Trihalomethanes = 103.400.
 Sample failed 25-JUN-2002 (Z1518AE) Total Trihalomethanes = 134.500.
 Sample failed 07-AUG-2002 (Z1518AE) Total Trihalomethanes = 142.100.
 Sample failed 07-OCT-2002 (Z1518AE) Total Trihalomethanes = 114.700.
 Sample failed 03-SEP-2002 (Z1518AE) Total Trihalomethanes = 119.700.
 Sample failed 02-JUL-2002 (Z1518AE) Total Trihalomethanes = 122.000.
 Sample failed 05-NOV-2002 (Z1518AE) Total Trihalomethanes = 107.500.
 Sample failed 03-APR-2002 (Z1518AE) Total Trihalomethanes = 103.400.
 Sample failed 25-JUN-2002 (Z1518AE) Total Trihalomethanes = 134.500.
 Sample failed 07-AUG-2002 (Z1518AE) Total Trihalomethanes = 142.100.
 Sample failed 07-OCT-2002 (Z1518AE) Total Trihalomethanes = 114.700.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	48	39	>200.0	0	0.000	< 0.100	<118.929	184.000
Ammonium	mg NH4/l	S	10	17	>0.50	0	0.000	< 0.000	< 0.020	0.058
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.027	0.040
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.333	0.800
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	19.200	19.200	19.200
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.531	18.531	18.531
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	52	52		0	0.000	0.000	171.423	2942.00
Colony Counts 37 (48hrs)		S	52	52		0	0.000	0.000	0.173	4.000
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	2.000	3.300	5.200
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	< 0.100	< 1.233	< 2.900
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	108	84	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	108	84		0	0.000	0.000	0.107	0.950
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z1519 - Killylane Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	60	41	9.50	0	0.000	6.760	7.790	9.140
Iron	ug Fe/l	I	48	39	>200	0	0.000	< 1.000	< 26.513	123.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.908	2.245
MCPA	ug/l	I	12	7	>0.10	0	0.000	< 0.004	< 0.010	0.020
Magnesium		S	1	1	>50.00	0	0.000	5.100	5.100	5.100
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 1.000	< 1.200	< 2.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	17	>50.00	0	0.000	1.138	1.565	1.931
Nitrite	mg NO2/l	S	10	17	>0.100	0	0.000	< 0.000	< 0.014	0.023
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	41		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.000	1.000	1.000
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	2.700	2.700	2.700
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.300	9.300	9.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	32.995	32.995	32.995
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	41		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.000	10.200	18.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.133	0.200
Total - Residual disinfemg Cl/l		S	108	84		0	0.000	0.010	0.116	0.970
Total Coliforms		S	108	84	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	12	>100.0	2	16.667	63.100	81.233	103.500
Total Trihalomethanes	ug/l	I	12	12	>100.0	2	16.667	63.100	81.233	103.500
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.020	< 0.080	0.170
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	< 0.100	< 1.567	< 3.400
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, MCPA, Total Trihalomethanes

Water Supply Zone - Z1519 - Killylane
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 44349

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 06-NOV-2002 (Z1519AE) Total Trihalomethanes = 103.500.
 Sample failed 03-JUL-2002 (Z1519AE) Total Trihalomethanes = 100.500.
 Sample failed 06-NOV-2002 (Z1519AE) Total Trihalomethanes = 103.500.
 Sample failed 03-JUL-2002 (Z1519AE) Total Trihalomethanes = 100.500.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	10	>200.0	0	0.000	< 0.300	< 54.330	164.700
Ammonium	mg NH4/l	S	6	16	>0.50	0	0.000	< 0.000	< 0.034	0.358
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.028	< 0.090
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.350	1.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	36.800	36.800	36.800
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.926	23.926	23.926
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.570	0.570	0.570
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	48	52		0	0.000	0.000	157.500	2770.00
Colony Counts 37 (48hrs)		S	48	52		0	0.000	0.000	3.404	35.000
Colour	mg/l Pt/C	S	6	10	>20.00	0	0.000	2.700	7.380	10.600
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 3.400	< 14.125	32.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	48	111	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	35.985	35.985	35.985
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	110		0	0.000	0.000	0.163	0.990
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1520 - Dunore IV Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	57	9.50	0	0.000	6.900	7.572	9.150
Iron	ug Fe/l	I	24	48	>200	0	0.000	< 0.000	< 17.896	125.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.360	< 0.756
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	8.100	8.100	8.100
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	10	>50.0	0	0.000	< 1.000	< 2.700	11.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	16	>50.00	0	0.000	1.147	2.704	9.372
Nitrite	mg NO2/l	S	6	15	>0.100	0	0.000	< 0.000	< 0.019	0.028
Odour	Diln No	S	6	10	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	63		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.400	3.400	3.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	4.300	4.300	4.300
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.300	0.300	0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.006	0.008
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.100	11.100	11.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	14.027	14.027	14.027
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	10	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	63		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	6	10	>25.0	0	0.000	8.000	10.800	16.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	48	111		0	0.000	0.010	0.184	1.060
Total Coliforms		S	48	111	>0	8	7.207	0.000	0.144	5.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.053	0.150
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	23	>100.0	9	39.130	47.400	93.737	150.600
Total Trihalomethanes	ug/l	I	24	23	>100.0	9	39.130	47.400	93.737	150.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	6	10	>4.00	0	0.000	< 0.080	< 0.245	1.170
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 1.100	< 4.925	12.500
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z1520 - Dunore IV
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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

Population of zone = 13431

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 22-OCT-2002 (Z1520AE) Total Coliforms = 1.
 Sample failed 04-SEP-2002 (Z1520AE) Total Coliforms = 1.
 Sample failed 27-AUG-2002 (Z1520AE) Total Coliforms = 5.
 Sample failed 03-SEP-2002 (Z1520AE) Total Coliforms = 1.
 Sample failed 06-AUG-2002 (Z1520AE) Total Coliforms = 2.
 Sample failed 07-AUG-2002 (Z1520AE) Total Coliforms = 1.
 Sample failed 21-MAY-2002 (Z1520AE) Total Coliforms = 3.
 Sample failed 22-MAY-2002 (Z1520AE) Total Coliforms = 2.
 Sample failed 09-JAN-2002 (Z1520AE) Total Trihalomethanes = 104.800.
 Sample failed 27-MAR-2002 (Z1520AE) Total Trihalomethanes = 141.130.
 Sample failed 09-OCT-2002 (Z1520AE) Total Trihalomethanes = 112.600.
 Sample failed 07-AUG-2002 (Z1520AE) Total Trihalomethanes = 142.100.
 Sample failed 24-APR-2002 (Z1520AE) Total Trihalomethanes = 139.730.
 Sample failed 02-JUL-2002 (Z1520AE) Total Trihalomethanes = 130.100.
 Sample failed 06-AUG-2002 (Z1520AE) Total Trihalomethanes = 150.600.
 Sample failed 03-SEP-2002 (Z1520AE) Total Trihalomethanes = 106.100.
 Sample failed 04-SEP-2002 (Z1520AE) Total Trihalomethanes = 128.000.
 Sample failed 09-JAN-2002 (Z1520AE) Total Trihalomethanes = 104.800.
 Sample failed 27-MAR-2002 (Z1520AE) Total Trihalomethanes = 141.130.
 Sample failed 09-OCT-2002 (Z1520AE) Total Trihalomethanes = 112.600.
 Sample failed 07-AUG-2002 (Z1520AE) Total Trihalomethanes = 142.100.
 Sample failed 24-APR-2002 (Z1520AE) Total Trihalomethanes = 139.730.
 Sample failed 02-JUL-2002 (Z1520AE) Total Trihalomethanes = 130.100.
 Sample failed 06-AUG-2002 (Z1520AE) Total Trihalomethanes = 150.600.
 Sample failed 03-SEP-2002 (Z1520AE) Total Trihalomethanes = 106.100.
 Sample failed 04-SEP-2002 (Z1520AE) Total Trihalomethanes = 128.000.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	11	>200.0	0	0.000	< 4.700	< 28.969	50.820
Ammonium	mg NH4/l	S	10	12	>0.50	0	0.000	< 0.000	< 0.033	0.244
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	16.400	16.400	16.400
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	3	>400.00	0	0.000	12.838	12.998	13.092
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	52	50		0	0.000	0.000	131.540	2533.00
Colony Counts 37 (48hrs)		S	52	50		0	0.000	0.000	0.300	8.000
Colour	mg/l Pt/C	S	10	11	>20.00	0	0.000	< 0.600	< 4.418	12.200
Copper	ug Cu/l	S	4	6	>3000.0	0	0.000	< 0.700	< 7.867	17.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	84	80	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	3	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	84	80		0	0.000	0.000	0.116	1.150
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1702 - Altnahinch Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	40	9.50	0	0.000	6.610	7.247	8.940
Iron	ug Fe/l	I	36	36	>200	13	36.111	< 1.000	<189.222	591.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.100	< 0.200	< 0.400
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	2.400	2.400	2.400
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	11	>50.0	0	0.000	< 0.000	< 2.000	5.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	15	>50.00	0	0.000	0.324	0.620	0.938
Nitrite	mg NO2/l	S	10	15	>0.100	0	0.000	< 0.000	< 0.007	0.016
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.100	1.000
Odour - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	3.000	3.000	3.000
Potassium		S	1	1	>12.00	0	0.000	0.600	0.600	0.600
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.300	0.300	0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.200	7.200	7.200
Sulphate	mg SO4/l	S	1	3	>250	0	0.000	40.516	41.584	42.721
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.100	1.000
Taste - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	11	>25.0	0	0.000	5.000	10.182	16.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	84	80		0	0.000	0.000	0.126	1.070
Total Coliforms		S	84	80	>0	1	1.250	0.000	0.013	1.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.028	0.050
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	13	>100.0	2	15.385	24.500	60.756	157.000
Total Trihalomethanes	ug/l	I	12	13	>100.0	2	15.385	24.500	60.756	157.000
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	10	11	>4.00	0	0.000	< 0.000	< 0.524	1.660
Zinc	ug Zn/l	S	4	6	>5000	0	0.000	< 3.600	< 10.900	21.100
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z1702 - Altnahinch
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 34800

PCV Exceedences:

Sample failed 23-JAN-2002 (Z1702AE) Iron = 280.
 Sample failed 10-APR-2002 (Z1702AE) Iron = 359.
 Sample failed 11-DEC-2002 (Z1702AE) Iron = 300.
 Sample failed 30-JAN-2002 (Z1702AE) Iron = 408.
 Sample failed 16-OCT-2002 (Z1702AE) Iron = 590.
 Sample failed 04-OCT-2002 (Z1702AE) Iron = 310.
 Sample failed 18-JUL-2002 (Z1702AE) Iron = 331.
 Sample failed 13-MAR-2002 (Z1702AE) Iron = 418.
 Sample failed 20-FEB-2002 (Z1702AE) Iron = 463.
 Sample failed 27-FEB-2002 (Z1702AE) Iron = 212.
 Sample failed 13-FEB-2002 (Z1702AE) Iron = 591.
 Sample failed 22-MAY-2002 (Z1702AE) Iron = 544.
 Sample failed 05-JUN-2002 (Z1702AE) Iron = 227.
 Sample failed 28-MAY-2002 (Z1702AE) Total Coliforms = 1.
 Sample failed 06-AUG-2002 (Z1702AE) Total Trihalomethanes = 157.000.
 Sample failed 09-OCT-2002 (Z1702AE) Total Trihalomethanes = 122.400.
 Sample failed 06-AUG-2002 (Z1702AE) Total Trihalomethanes = 157.000.
 Sample failed 09-OCT-2002 (Z1702AE) Total Trihalomethanes = 122.400.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	10	>200.0	0	0.000	<0	< 25.652	80.100
Ammonium	mg NH4/l	S	4	15	>0.50	0	0.000	< 0.000	< 0.013	0.061
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	1.500	1.500	1.500
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.250	0.700
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	33.500	33.500	33.500
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	2	>400.00	0	0.000	17.376	17.454	17.531
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.530	1.530	1.530
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	24	50		0	0.000	0.000	15.600	304.000
Colony Counts 37 (48hrs)		S	24	50		0	0.000	0.000	0.300	7.000
Colour	mg/l Pt/C	S	4	10	>20.00	0	0.000	< 0.400	< 1.650	4.100
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 4.200	< 44.350	140.000
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	24	58	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	2	>1500	0	0.000	< 0.000	< 45.022	90.044
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	24	58		0	0.000	0.010	0.256	0.860
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1703 - Drumabest Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	39	9.50	0	0.000	6.080	7.273	8.500
Iron	ug Fe/l	I	24	35	>200	0	0.000	< 1.000	< 25.229	106.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 1.353	2.611
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	18.500	18.500	18.500
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	10	>50.0	0	0.000	< 1.000	< 2.000	3.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	15	>50.00	0	0.000	0.193	12.973	19.839
Nitrite	mg NO2/l	S	4	15	>0.100	0	0.000	< 0.000	< 0.002	0.017
Odour	Diln No	S	4	10	>3	0	0.000	0.000	0.100	1.000
Odour - Intensity		S	12	40		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	1	>5.00	1	100.000	11.830	11.830	11.830
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	3.000	3.000	3.000
Potassium		S	1	1	>12.00	0	0.000	1.000	1.000	1.000
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	6.400	6.400	6.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	15.700	15.700	15.700
Sulphate	mg SO4/l	S	1	2	>250	0	0.000	12.603	12.632	12.661
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	10	>3	0	0.000	0.000	0.100	1.000
Taste - Intensity		S	12	40		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	10	>25.0	0	0.000	5.000	9.550	16.500
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	24	58		0	0.000	0.040	0.275	0.880
Total Coliforms		S	24	58	>0	1	1.724	0.000	0.017	1.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.023	0.030
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	6	>100.0	1	16.667	12.100	45.567	188.300
Total Trihalomethanes	ug/l	I	12	6	>100.0	1	16.667	12.100	45.567	188.300
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	10	>4.00	0	0.000	< 0.000	< 0.071	0.200
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 0.900	< 2.975	< 4.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Oxidizability, Total Trihalomethanes

Water Supply Zone - Z1703 - Drumabest Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 7710

PCV Exceedences:
 Sample failed 04-SEP-2002 (Z1703AE) Oxidizability = 11.8.
 Sample failed 28-MAY-2002 (Z1703AE) Total Coliforms = 1.
 Sample failed 07-AUG-2002 (Z1703AE) Total Trihalomethanes = 188.300.
 Sample failed 07-AUG-2002 (Z1703AE) Total Trihalomethanes = 188.300.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	<0	<0	< 1.000
Ammonium	mg NH4/l	S	4	3	>0.50	0	0.000	< 0.000	< 0.000	< 0.000
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.028	0.050
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	6.000	6.000	6.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	21.000	21.000	21.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	17.200	17.200	17.200
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	77.276	77.276	77.276
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.850	0.850	0.850
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	12	12		0	0.000	0.000	42.417	467.000
Colony Counts 37 (48hrs)		S	12	12		0	0.000	0.000	0.083	1.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	2.400	8.175	18.400
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	7.000	18.167	32.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 6.159	< 6.159	< 6.159
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	12	12		0	0.000	0.000	0.566	1.500
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1708 - Rathlin Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.170	7.378	7.620
Iron	ug Fe/l	S	4	4	>200	0	0.000	50.000	96.500	154.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.200	< 0.530	0.866
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	9.400	9.400	9.400
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.750	3.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	0.104	0.332	0.506
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.010	0.030
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	4	4		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.500	2.500	2.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	2.010	2.010	2.010
Potassium		S	1	1	>12.00	0	0.000	2.300	2.300	2.300
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	44.700	44.700	44.700
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.502	2.502	2.502
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	4	4		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	5.000	10.125	16.500
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	12	12		0	0.000	0.000	0.658	2.000
Total Coliforms		S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.051	0.054
Total Trihalomethanes	ug/l	S	4	12	>100.0	10	83.333	50.300	135.850	202.800
Total Trihalomethanes	ug/l	I	12	12	>100.0	10	83.333	50.300	135.850	202.800
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.080	< 0.193	0.360
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	10.100	14.500	18.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Water Supply Zone - Z1708 - Rathlin
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 18

This zone has a surface water source :R1706

PCV Exceedences:

Sample failed 21-JAN-2002 (Z1708AE) Total Trihalomethanes = 113.300.
 Sample failed 24-APR-2003 (Z1708AE) Total Trihalomethanes = 126.600.
 Sample failed 03-APR-2002 (Z1708AE) Total Trihalomethanes = 113.800.
 Sample failed 24-APR-2003 (Z1708AE) Total Trihalomethanes = 187.900.
 Sample failed 04-NOV-2002 (Z1708AE) Total Trihalomethanes = 202.800.
 Sample failed 04-MAR-2002 (Z1708AE) Total Trihalomethanes = 164.100.
 Sample failed 02-SEP-2002 (Z1708AE) Total Trihalomethanes = 177.100.
 Sample failed 05-JUN-2002 (Z1708AE) Total Trihalomethanes = 116.300.
 Sample failed 11-FEB-2002 (Z1708AE) Total Trihalomethanes = 147.900.
 Sample failed 07-MAY-2002 (Z1708AE) Total Trihalomethanes = 138.800.
 Sample failed 21-JAN-2002 (Z1708AE) Total Trihalomethanes = 113.300.
 Sample failed 24-APR-2003 (Z1708AE) Total Trihalomethanes = 126.600.
 Sample failed 03-APR-2002 (Z1708AE) Total Trihalomethanes = 113.800.
 Sample failed 24-APR-2003 (Z1708AE) Total Trihalomethanes = 187.900.
 Sample failed 04-NOV-2002 (Z1708AE) Total Trihalomethanes = 202.800.
 Sample failed 04-MAR-2002 (Z1708AE) Total Trihalomethanes = 164.100.
 Sample failed 02-SEP-2002 (Z1708AE) Total Trihalomethanes = 177.100.
 Sample failed 05-JUN-2002 (Z1708AE) Total Trihalomethanes = 116.300.
 Sample failed 11-FEB-2002 (Z1708AE) Total Trihalomethanes = 147.900.
 Sample failed 07-MAY-2002 (Z1708AE) Total Trihalomethanes = 138.800.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	9	>200.0	0	0.000	< 5.700	< 30.776	46.200
Ammonium	mg NH4/l	S 10	15	>0.50	0	0.000	< 0.000	< 0.016	0.051
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.060	0.060	0.060
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.007	0.011
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.525	1.800
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	17.511	17.511	17.511
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.850	0.850	0.850
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S 52	48		0	0.000	0.000	49.750	1407.00
Colony Counts 37 (48hrs)		S 52	48		0	0.000	0.000	0.667	18.000
Colour	mg/l Pt/C	S 10	9	>20.00	50	0.000	1.600	2.133	2.700
Copper	ug Cu/l	S 4	3	>3000.0	0	0.000	12.600	20.533	33.500
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.036	< 0.100
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	0.090
E_Coli		S 60	79	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S 60	80		0	0.000	0.010	0.092	0.550
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.012	< 0.040

Water Supply Zone - Z1709 - Ballinrees I Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	39	9.50	0	0.000	6.890	7.430	8.100
Iron	ug Fe/l	S	10	9	>200	0	0.000	< 1.000	< 10.444	34.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.100	< 0.750	2.300
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.005	0.014	0.030
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	500	0.000	< 1.000	< 1.556	3.000
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.000	2.000	2.000
Nitrate	mg NO3/l	S	10	16	>50.00	0	0.000	< 0.000	< 1.934	7.404
Nitrite	mg NO2/l	S	10	16	>0.100	0	0.000	< 0.000	< 0.012	0.022
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.222	2.000
Odour - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	4.500	4.500	4.500
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.100	1.100	1.100
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	0.006
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	59.724	59.724	59.724
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	7.000	11.000	14.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	60	80		0	0.000	0.010	0.109	0.770
Total Coliforms		S	60	79	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.062	0.095
Total Trihalomethanes	ug/l	S	4	5	>100.0	0	0.000	42.000	64.520	90.200
Total Trihalomethanes	ug/l	S	4	5	>100.0	0	0.000	42.000	64.520	90.200
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.010	< 0.067	0.170
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 0.000	< 8.300	20.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

Population of zone = 24357

Water Supply Zone - Z1709 - Ballinrees I Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	9	>200.0	0	0.000	13.000	27.734	53.200
Ammonium	mg NH4/l	S	6	15	>0.50	1	6.667	< 0.000	< 0.316	4.586
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.027	0.040
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	0.006
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	32.100	32.100	32.100
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.437	17.437	17.437
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.010	1.010	1.010
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	48	47		0	0.000	0.000	45.255	1009.00
Colony Counts 37 (48hrs)		S	48	47		0	0.000	0.000	1.106	35.000
Colour	mg/l Pt/C	S	6	9	>20.00	0	0.000	1.800	2.211	3.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	<0	< 2.750	10.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	48	78	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	80		0	0.000	0.000	0.141	0.750
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z1710 - Ballinrees II Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	38	9.50	0	0.000	7.020	7.511	8.420
Iron	ug Fe/l	I	24	34	>200	0	0.000	< 0.100	< 23.297	174.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	2	>50.0	0	0.000	< 0.100	< 0.139	< 0.178
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	6.600	6.600	6.600
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	9	>50.0	0	0.000	< 1.000	< 1.889	7.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.600	1.600	1.600
Nitrate	mg NO3/l	S	6	16	>50.00	0	0.000	< 0.000	< 1.662	7.454
Nitrite	mg NO2/l	S	6	16	>0.100	0	0.000	< 0.000	< 0.013	0.033
Odour	Diln No	S	6	9	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	37		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	5.100	5.100	5.100
Potassium		S	1	1	>12.00	0	0.000	1.500	1.500	1.500
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	8.900	8.900	8.900
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	59.469	59.469	59.469
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	9	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	37		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	6	9	>25.0	0	0.000	8.000	10.778	13.500
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.133	0.200
Total - Residual disinfemg Cl/l		S	48	80		0	0.000	0.000	0.150	0.670
Total Coliforms		S	48	78	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	60.100	63.567	65.300
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	60.100	63.567	65.300
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S	6	9	>4.00	0	0.000	< 0.010	< 0.059	< 0.130
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 0.800	< 3.475	8.900
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron

Water Supply Zone - Z1710 - Ballinrees II
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 18882

PCV Exceedences:

Sample failed 09-OCT-2002 (Z1710AE) Ammonium = 4.59.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	9	>200.0	0	0.000	< 0.200	< 21.569	43.320
Ammonium	mg NH4/l	S	10	17	>0.50	0	0.000	< 0.000	< 0.010	0.050
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	1.500	1.500	1.500
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.025	0.040
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.017
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	13.000	13.000	13.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.540	0.540	0.540
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	52	48		0	0.000	0.000	46.813	1643.00
Colony Counts 37 (48hrs)		S	52	48		0	0.000	0.000	0.125	4.000
Colour	mg/l Pt/C	S	10	9	>20.00	50	0.000	1.300	2.267	3.500
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	6.500	10.675	18.000
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.020	< 0.050
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	72	56	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	72	56		0	0.000	0.010	0.162	0.550
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z1711 - Ballinrees III Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	38	9.50	0	0.000	6.350	7.451	8.390
Iron	ug Fe/l	S	10	9	>200	0	0.000	< 1.000	< 25.333	68.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.100	< 0.337	0.812
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	0.090
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	500	0.000	< 1.000	< 3.667	13.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	17	>50.00	0	0.000	< 0.000	< 2.602	9.452
Nitrite	mg NO2/l	S	10	17	>0.100	0	0.000	< 0.000	< 0.014	0.028
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.222	2.000
Odour - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	2.000	2.000	2.000
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	3.800	3.800	3.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.006	0.007
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.111	1.000
Taste - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	7.000	11.222	14.500
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfemg Cl/l		S	72	56		0	0.000	0.020	0.165	0.640
Total Coliforms		S	72	56	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.070	0.129
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	70.500	78.067	89.200
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	70.500	78.067	89.200
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.010	< 0.070	0.240
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.200	< 4.025	< 5.100
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

Population of zone = 28719

Water Supply Zone - Z1711 - Ballinrees III Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 0.630	< 2.330	< 4.900
Ammonium	mg NH4/l	S	4	5	>0.50	0	0.000	< 0.000	< 0.058	0.269
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.023	0.030
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	32.000	32.000	32.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.050	1.050	1.050
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22		S	24	24		0	0.000	0.000	5.167	119.000
Colony Counts 37 (48hrs)		S	24	24		0	0.000	0.000	0.458	7.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.000	< 0.300	0.800
Copper	ug Cu/l	S	4	5	>3000.0	0	0.000	13.200	106.700	255.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli		S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	24	24		0	0.000	0.000	0.397	0.810
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

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.
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.910	7.262	7.550
Iron	ug Fe/l	S	4	4	>200	1	25.000	< 1.000	< 74.000	279.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	2	>50.0	0	0.000	< 0.200	< 4.499	8.797
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 0.000	< 2.750	5.000
Mecoprop (MCCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	5	>50.00	0	0.000	14.628	15.667	17.367
Nitrite	mg NO2/l	S	4	5	>0.100	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
Odour - Intensity		S	12	13		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous		S	1	1	>2200	0	0.000	3.000	3.000	3.000
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.900	0.900	0.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	13		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	10.000	10.800	13.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	24	24		0	0.000	0.000	0.415	0.830
Total Coliforms		S	24	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	5.800	17.033	37.000
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	5.800	17.033	37.000
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.000	< 0.165	0.650
Zinc	ug Zn/l	S	4	5	>5000	0	0.000	< 1.100	< 6.120	15.600
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

Population of zone = 7122

Water Supply Zone - Z1712 - Alcrossagh Printed On 27-AUG-2004 : Water Service									
: Period 01-JAN-2002 to 31-DEC-2002 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.

PCV Exceedences:
Sample failed 17-JUN-2002 (Z1712AE) Iron = 279.

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

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
1.2 Dichloroethane	ug/l	S 4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	9	>200.0	0	0.000	< 25.000	< 51.556	112.000
Ammonium	mg NH4/l	S 10	0	>0.50	0	0			
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.520	0.520	0.520
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	1.340	1.340	1.340
Asulam	ug/l	S 4	3	>0.10	1	33.333	< 0.020	< 0.050	0.110
Atrazine	ug/l	S 4	3	>0.10	0	0.000	0.012	0.023	0.041
Azinphos methyl	ug/l	S 4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	19.000	19.000	19.000
Bentazone	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I 12	9	>10.0	0	0.000	< 0.100	< 0.111	0.200
Boron	ug B/l	S 1	1	>2000.0	0	0.000	35.000	35.000	35.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	0	>400.00	0	0			
Chlorpropham	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	1.600	1.600	1.600
Clopyralid	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	51		0	0.000	0.000	6.784	168.000
Colony Counts 37 (48hrs)	No./l ml	S 52	51		0	0.000	0.000	33.176	1413.00
Colour	mg/l Pt/C	S 10	9	>20.00	30	0.000	7.100	10.917	18.590
Copper	ug Cu/l	S 4	2	>3000.0	0	0.000	6.200	924.000	1841.80
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 60	59	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	0	>1500	0	0			
Flutriafol	ug/l	S 4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 60	59		0	0.000	0.010	0.357	1.200
Gamma-HCH (Lindane)	ug/l	S 4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z2301 - Ballyhannon Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	39	9.50	0	0.000	6.750	7.295	7.840
Iron	ug Fe/l	I	36	33	>200	1	3.030	5.000	255.391	7747.00
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.026	0.060
Lead	ug Pb/l	I	12	8	>50.0	0	0.000	< 0.680	< 4.361	14.940
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.009	0.020
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	36	33	>50.0	100	0.000	< 1.620	< 9.015	49.100
Mecoprop (MCPP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.010	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.500	2.500	2.500
Nitrate	mg NO3/l	S	10	1	>50.00	0	0.000	4.101	4.101	4.101
Nitrite	mg NO2/l	S	10	1	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	2.100	2.100	2.100
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	0.017	0.020	0.025
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.222	1.000
Taste - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	10	8	>25.0	0	0.000	8.000	10.450	16.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	59		0	0.000	0.010	0.406	1.400
Total Coliforms	No./100ml	S	60	59	>0	1	1.695	0.000	0.136	8.000
Total PAH	ug/l	I	12	9	>0.20	0	0.000	< 0.020	< 0.036	< 0.100
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.119	0.197
Total Trihalomethanes	ug/l	I	12	8	>100.0	8	100.00	121.400	146.363	180.400
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.200	< 0.294	0.470
Zinc	ug Zn/l	S	4	2	>5000	0	0.000	6.100	86.050	166.000
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Lead, Manganese, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2301 - Ballyhannon
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 23000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 03-APR-2002 (Z2301AE) Asulam = 0.11 ug/l.
 Sample failed 25-SEP-2002 (Z2301AE) Iron = 7747.
 Sample failed 01-NOV-2002 (Z2301AE) Total Coliforms = 8.
 Sample failed 29-APR-2002 (Z2301AE) Total Trihalomethanes = 121.400.
 Sample failed 04-NOV-2002 (Z2301AE) Total Trihalomethanes = 155.400.
 Sample failed 18-OCT-2002 (Z2301AE) Total Trihalomethanes = 133.000.
 Sample failed 03-SEP-2002 (Z2301AE) Total Trihalomethanes = 130.100.
 Sample failed 07-JUN-2002 (Z2301AE) Total Trihalomethanes = 144.200.
 Sample failed 05-JUL-2002 (Z2301AE) Total Trihalomethanes = 180.400.
 Sample failed 05-DEC-2002 (Z2301AE) Total Trihalomethanes = 152.000.
 Sample failed 02-AUG-2002 (Z2301AE) Total Trihalomethanes = 154.400.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	9	>200.0	0	0.000	< 22.000	< 51.333	122.000
Ammonium	mg NH4/l	S	10	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	2.500	2.500	2.500
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.040	0.100
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.012	0.027	0.046
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	19.000	19.000	19.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	12	>10.0	0	0.000	< 0.100	< 0.108	0.200
Boron	ug B/l	S	1	1	>2000.0	0	0.000	21.000	21.000	21.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.030	1.030	1.030
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	51		0	0.000	0.000	11.333	189.000
Colony Counts 37 (48hrs)	No./l ml	S	52	51		0	0.000	0.000	5.235	85.000
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	6.820	9.642	12.100
Copper	ug Cu/l	S	4	2	>3000.0	0	0.000	128.800	1303.15	2477.50
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	59	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S	60	59		0	0.000	0.000	0.362	1.100
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2302 - Ballydougan Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	38	9.50	0	0.000	6.670	7.287	7.960
Iron	ug Fe/l	I	36	35	>200	0	0.000	3.600	31.640	170.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.019	0.050
Lead	ug Pb/l	S	4	2	>50.0	0	0.000	< 0.680	< 1.340	2.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.000	0.008	0.020
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	100	0.000	< 1.620	< 4.877	15.400
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.014	0.030
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	1	>50.00	0	0.000	4.077	4.077	4.077
Nitrite	mg NO2/l	I	36	4	>0.100	0	0.000	< 0.000	< 0.032	0.091
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.111	1.000
Odour - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	5.500	5.500	5.500
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.016	0.021	0.028
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.111	1.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	8	>25.0	0	0.000	7.000	10.500	17.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	60	59		0	0.000	0.020	0.388	1.300
Total Coliforms	No./100ml	S	60	59	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	12	>0.20	0	0.000	< 0.020	< 0.029	0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.107	0.192
Total Trihalomethanes	ug/l	I	12	7	>100.0	7	100.00	107.000	146.243	183.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.140	< 0.683	3.760
Zinc	ug Zn/l	S	4	2	>5000	0	0.000	10.100	69.950	129.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Nitrite, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2302 - Ballydougan
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 21000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 01-MAY-2002 (Z2302AE) Total Trihalomethanes = 136.200.
 Sample failed 07-JUN-2002 (Z2302AE) Total Trihalomethanes = 129.700.
 Sample failed 03-JUL-2002 (Z2302AE) Total Trihalomethanes = 183.100.
 Sample failed 08-AUG-2002 (Z2302AE) Total Trihalomethanes = 169.600.
 Sample failed 04-DEC-2002 (Z2302AE) Total Trihalomethanes = 151.900.
 Sample failed 18-OCT-2002 (Z2302AE) Total Trihalomethanes = 107.000.
 Sample failed 12-SEP-2002 (Z2302AE) Total Trihalomethanes = 146.200.

Notes:

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

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	S	4	2	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	2	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	5	>200.0	0	0.000	< 14.000	< 47.140	91.000
Ammonium	mg NH4/l	S	6	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	2	>0.10	0	0.000	0.014	0.031	0.048
Azinphos methyl	ug/l	S	4	2	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	24.000	24.000	24.000
Bentazone	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	8	>10.0	0	0.000	< 0.100	< 0.563	3.200
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.590	0.590	0.590
Clopyralid	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	47		0	0.000	0.000	12.383	130.000
Colony Counts 37 (48hrs)	No./l ml	S	48	47		0	0.000	0.000	2.191	11.000
Colour	mg/l Pt/C	S	6	5	>20.00	30	0.000	7.590	9.822	12.250
Copper	ug Cu/l	S	4	2	>3000.0	0	0.000	45.200	47.350	49.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	2	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	47		0	0.000	0.010	0.266	1.400
Gamma-HCH (Lindane)	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z2303 - Magheraliskmisk Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	22	9.50	0	0.000	6.850	7.316	7.920
Iron	ug Fe/l	I	24	24	>200	0	0.000	1.000	27.986	199.000
Isoproturon	ug/l	S	4	2	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	8	>50.0	0	0.000	< 0.680	< 2.253	8.400
MCPA	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.017	0.030
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	5	>50.0	100	0.000	< 1.620	< 9.312	33.410
Mecoprop (MCP)	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.018	0.030
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	2	>50.00	0	0.000	2.213	3.066	3.918
Nitrite	mg NO2/l	S	6	2	>0.100	0	0.000	< 0.000	< 0.011	< 0.022
Odour	Diln No	S	6	5	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	2	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	2	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	2	>0.100	0	0.000	0.018	0.023	0.028
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	5	>3	4	0.000	0.000	0.200	1.000
Taste - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	6	5	>25.0	0	0.000	4.000	7.600	10.000
Terbutryne	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	2	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	2	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S	48	47		0	0.000	0.010	0.327	1.200
Total Coliforms	No./100ml	S	48	47	>0	1	2.128	0.000	4.255	200.000
Total PAH	ug/l	I	12	8	>0.20	0	0.000	< 0.020	< 0.058	0.190
Total Pesticides	ug/l	S	4	2	>0.5000	0	0.000	< 0.050	< 0.090	0.130
Total Trihalomethanes	ug/l	I	12	7	>100.0	7	100.00	120.000	137.686	154.100
Trichloroethene	ug/l	S	4	2	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S	6	5	>4.00	0	0.000	< 0.190	< 0.280	0.350
Zinc	ug Zn/l	S	4	2	>5000	0	0.000	< 4.900	< 24.500	44.100
op-DDT	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	2		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Lead, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2303 - Magheraliskmisk
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 20000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 12-FEB-2002 (Z2303AE) Total Coliforms = 200.
 Sample failed 10-MAY-2002 (Z2303AE) Total Trihalomethanes = 137.000.
 Sample failed 13-JUN-2002 (Z2303AE) Total Trihalomethanes = 143.200.
 Sample failed 22-JUL-2002 (Z2303AE) Total Trihalomethanes = 146.000.
 Sample failed 10-DEC-2002 (Z2303AE) Total Trihalomethanes = 154.100.
 Sample failed 28-OCT-2002 (Z2303AE) Total Trihalomethanes = 143.200.
 Sample failed 26-SEP-2002 (Z2303AE) Total Trihalomethanes = 120.300.
 Sample failed 24-OCT-2002 (Z2303AE) Total Trihalomethanes = 120.000.

Notes:

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

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	S	4	1	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	1	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	9	>200.0	0	0.000	< 11.000	< 41.744	62.000
Ammonium	mg NH4/l	S	10	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	1	>0.10	1	100.00	0.110	0.110	0.110
Atrazine	ug/l	S	4	1	>0.10	0	0.000	0.012	0.012	0.012
Azinphos methyl	ug/l	S	4	1	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	1	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	10	>10.0	0	0.000	< 0.100	< 0.270	1.200
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	1	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	1	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	1	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	1	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	40.462	1820.00
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	2.404	20.000
Colour	mg/l Pt/C	S	10	8	>20.00	30	0.000	7.100	8.441	12.600
Copper	ug Cu/l	S	4	2	>3000.0	0	0.000	26.100	36.350	46.600
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	1	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	1	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	1	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	1	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	1	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	1	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	1	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	1	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	1	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	1	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	1	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	1	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	1	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	1	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	1	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	1	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	1	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	60	60		0	0.000	0.010	0.365	1.600
Gamma-HCH (Lindane)	ug/l	S	4	1	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	1	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	1	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z2304 - Lurgan Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	38	9.50	0	0.000	6.030	7.220	7.850
Iron	ug Fe/l	I	36	35	>200	0	0.000	4.300	20.420	80.000
Isoproturon	ug/l	S	4	1	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	2	>50.0	0	0.000	< 0.680	< 0.840	1.000
MCPA	ug/l	S	4	1	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	1	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	36	35	>50.0	100	0.000	< 1.620	< 4.837	27.000
Mecoprop (MCP)	ug/l	S	4	1	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	10	2	>50.00	0	0.000	2.087	2.763	3.438
Nitrite	mg NO2/l	S	10	2	>0.100	0	0.000	< 0.022	< 0.023	< 0.024
Odour	Diln No	S	10	8	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	1	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	1	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	1	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	1	>0.100	0	0.000	0.016	0.016	0.016
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	10	8	>3	4	0.000	0.000	0.250	2.000
Taste - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	1	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	6.000	10.078	16.400
Terbutryne	ug/l	S	4	1	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	1	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	60	60		0	0.000	0.030	0.431	1.400
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	10	>0.20	0	0.000	< 0.020	< 0.034	0.080
Total Pesticides	ug/l	S	4	1	>0.5000	0	0.000	0.136	0.136	0.136
Total Trihalomethanes	ug/l	I	12	9	>100.0	9	100.00	110.800	138.367	180.400
Trichloroethene	ug/l	S	4	1	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	1	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	I	36	33	>4.00	0	0.000	< 0.070	< 0.335	0.940
Zinc	ug Zn/l	S	4	2	>5000	0	0.000	5.800	7.350	8.900
op-DDT	ug/l	S	4	1	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	1		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Manganese, Total PAH, Total Trihalomethanes, Turbidity

Water Supply Zone - Z2304 - Lurgan
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 23000

PCV Exceedences:

Sample failed 17-APR-2002 (Z2304AE) Asulam = 0.11 ug/l.
 Sample failed 19-DEC-2002 (Z2304AE) Total Trihalomethanes = 157.400.
 Sample failed 18-NOV-2002 (Z2304AE) Total Trihalomethanes = 180.400.
 Sample failed 18-OCT-2002 (Z2304AE) Total Trihalomethanes = 110.800.
 Sample failed 10-OCT-2002 (Z2304AE) Total Trihalomethanes = 124.800.
 Sample failed 12-SEP-2002 (Z2304AE) Total Trihalomethanes = 137.900.
 Sample failed 07-AUG-2002 (Z2304AE) Total Trihalomethanes = 161.400.
 Sample failed 18-JUN-2002 (Z2304AE) Total Trihalomethanes = 129.000.
 Sample failed 15-MAY-2002 (Z2304AE) Total Trihalomethanes = 111.600.
 Sample failed 17-APR-2002 (Z2304AE) Total Trihalomethanes = 132.000.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	36	35	>200.0	0	0.000	< 14.000	< 53.051	161.000
Ammonium	mg NH4/l	S	10	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.400	0.400	0.400
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.009	0.015	0.024
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	11.000	11.000	11.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	13.000	13.000	13.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.840	0.840	0.840
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	51		0	0.000	0.000	9.647	319.000
Colony Counts 37 (48hrs)	No./l ml	S	52	51		0	0.000	0.000	2.922	32.000
Colour	mg/l Pt/C	S	10	9	>20.00	0	0.000	8.490	17.674	24.400
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	15.100	37.033	63.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	84	82	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	84	82		0	0.000	0.010	0.480	2.100
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2501 - Seagahan Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	37	9.50	0	0.000	6.440	6.979	7.670
Iron	ug Fe/l	I	36	33	>200	1	3.030	13.300	101.872	246.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.014	0.030
Lead	ug Pb/l	I	12	9	>50.0	0	0.000	< 0.680	< 6.004	25.620
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	0	0.000	< 1.620	< 4.900	15.100
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	4.300	4.300	4.300
Nitrate	mg NO3/l	S	10	2	>50.00	0	0.000	3.064	4.506	5.947
Nitrite	mg NO2/l	S	10	2	>0.100	0	0.000	< 0.000	< 0.007	< 0.014
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.012	0.020	0.043
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.100	1.000
Taste - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	6.000	9.689	14.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfe	mg Cl/l	S	84	82		0	0.000	0.040	0.617	2.250
Total Coliforms	No./100ml	S	84	82	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	4	>0.20	0	0.000	0.020	0.020	0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.055	0.064
Total Trihalomethanes	ug/l	I	12	8	>100.0	7	87.500	30.600	173.525	236.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.100	< 0.573	0.850
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	9.400	18.100	28.700
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.027	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Iron, Lead, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2501 - Seagahan
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 32600

This zone has a surface water source :R2514

PCV Exceedences:

Sample failed 26-FEB-2002 (Z2501AE) Iron = 246.
 Sample failed 22-MAY-2002 (Z2501AE) Total Trihalomethanes = 179.100.
 Sample failed 26-JUN-2002 (Z2501AE) Total Trihalomethanes = 236.400.
 Sample failed 24-JUL-2002 (Z2501AE) Total Trihalomethanes = 172.100.
 Sample failed 03-OCT-2002 (Z2501AE) Total Trihalomethanes = 195.700.
 Sample failed 23-OCT-2002 (Z2501AE) Total Trihalomethanes = 188.900.
 Sample failed 25-NOV-2002 (Z2501AE) Total Trihalomethanes = 177.300.
 Sample failed 25-APR-2002 (Z2501AE) Total Trihalomethanes = 208.100.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	23.000	43.250	68.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	0.008	0.024	0.035
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	4	>10.0	0	0.000	< 0.100	< 0.500	1.300
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	6.625	75.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	1.167	4.000
Colour	mg/l Pt/C	S	4	4	>20.00	30	0.000	5.490	9.783	12.340
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	16.000	20.833	28.300
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	24	24		0	0.000	0.000	0.251	0.800
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2502 - Castor Bay Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	10	9.50	0	0.000	7.000	7.413	8.320
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 7.560	< 14.280	22.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	0.890	1.467	2.620
MCPA	ug/l	S	4	3	>0.10	0	0.000	0.010	0.010	0.010
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	100	0.000	1.000	2.938	4.050
Mecoprop (MCPP)	ug/l	S	4	3	>0.10	0	0.000	0.010	0.010	0.010
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	4	0	>50.00	0	0			
Nitrite	mg NO2/l	S	4	0	>0.100	0	0			
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	3	>0.100	0	0.000	0.009	0.016	0.023
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.S.O	S	1	0	>200	0	0			
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.250	1.000
Taste - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.000	9.925	15.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	24	24		0	0.000	0.000	0.364	1.000
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.064	0.085
Total Trihalomethanes	ug/l	I	12	7	>100.0	7	100.00	112.500	140.914	174.700
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.240	< 0.743	2.170
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	6.000	8.067	9.900
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2502 - Castor Bay Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 9200

This zone has a surface water source :R2308

PCV Exceedences:
 Sample failed 03-DEC-2002 (Z2502AE) Total Trihalomethanes = 174.700.
 Sample failed 05-JUN-2002 (Z2502AE) Total Trihalomethanes = 112.500.
 Sample failed 26-SEP-2002 (Z2502AE) Total Trihalomethanes = 121.300.
 Sample failed 29-AUG-2002 (Z2502AE) Total Trihalomethanes = 140.900.
 Sample failed 04-SEP-2002 (Z2502AE) Total Trihalomethanes = 155.800.
 Sample failed 02-OCT-2002 (Z2502AE) Total Trihalomethanes = 129.200.
 Sample failed 06-NOV-2002 (Z2502AE) Total Trihalomethanes = 152.000.

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

Water Supply Zone - Z2503 - Castor Bay - Seagahan : Period 01-JAN-2002 to 31-DEC-2002 incl.
 Printed On 27-AUG-2004 : Water Service

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	3	>200.0	0	0.000	28.000	35.333	45.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	1.100	1.100	1.100
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.009	0.023	0.037
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	23.000	23.000	23.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.710	0.710	0.710
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	20.917	106.000
Colony Counts 37 (48hrs)	No./l ml	S	12	12		0	0.000	0.000	8.083	56.000
Colour	mg/l Pt/C	S	4	4	>20.00	30	0.000	< 0.310	< 8.473	19.690
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	7.300	16.700	26.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.000	0.119	0.500
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2503 - Castor Bay - Seagahan
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	6.730	7.150	7.540
Iron	ug Fe/l	I	12	9	>200	0	0.000	4.360	45.720	118.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 1.187	1.660
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.011	0.020
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	3	>50.0	300	0.000	1.600	9.000	23.680
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	0	>50.00	0	0			
Nitrite	mg NO2/l	S	4	0	>0.100	0	0			
Odour	Diln No	S	4	3	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.011	0.018	0.024
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	3	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.400	9.350	10.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.030	0.110	0.200
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.067	0.093
Total Trihalomethanes	ug/l	I	12	8	>100.0	8	100.00	124.300	146.863	188.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	12	12	>4.00	1	8.333	< 0.160	< 1.180	8.560
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	< 3.200	< 5.400	8.700
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Total PAH, Total Trihalomethanes, Turbidity

Water Supply Zone - Z2503 - Castor Bay - Seagahan
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 3500

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 10-MAY-2002 (Z2503AE) Total Trihalomethanes = 124.300.
 Sample failed 13-JUN-2002 (Z2503AE) Total Trihalomethanes = 188.600.
 Sample failed 21-AUG-2002 (Z2503AE) Total Trihalomethanes = 137.700.
 Sample failed 21-AUG-2002 (Z2503AE) Total Trihalomethanes = 146.300.
 Sample failed 13-NOV-2002 (Z2503AE) Total Trihalomethanes = 124.400.
 Sample failed 15-NOV-2002 (Z2503AE) Total Trihalomethanes = 159.600.
 Sample failed 11-NOV-2002 (Z2503AE) Total Trihalomethanes = 156.600.
 Sample failed 10-DEC-2002 (Z2503AE) Total Trihalomethanes = 137.400.
 Sample failed 21-AUG-2002 (Z2503AE) Turbidity = 8.56.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 25.000	< 45.500	88.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.019
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	17.000	17.000	17.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	11	>10.0	0	0.000	< 0.100	< 0.245	0.900
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.480	0.480	0.480
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.023	0.030
Colony Counts 22	No./l ml	S	24	23		0	0.000	0.000	17.957	150.000
Colony Counts 37 (48hrs)	No./l ml	S	24	23		0	0.000	0.000	3.652	13.000
Colour	mg/l Pt/C	S	4	4	>20.00	40	0.000	9.720	16.025	21.700
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	5.200	11.467	17.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	24	23	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	24	24		0	0.000	0.010	0.299	1.100
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2504 - Clay Lake Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	11	9.50	0	0.000	6.830	7.283	7.600
Iron	ug Fe/l	I	24	22	>200	0	0.000	11.000	56.626	184.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	2	>50.0	0	0.000	< 0.680	< 2.230	3.780
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.620	< 4.413	9.330
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.500	2.500	2.500
Nitrate	mg NO3/l	S	4	1	>50.00	0	0.000	3.933	3.933	3.933
Nitrite	mg NO2/l	I	24	3	>0.100	0	0.000	< 0.025	< 0.026	< 0.026
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	9	>5.00	7	77.778	2.600	5.872	8.200
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	0.006
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	3	>25.0	0	0.000	7.000	7.533	8.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	24	24		0	0.000	0.090	0.541	1.400
Total Coliforms	No./100ml	S	24	23	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	11	>0.20	1	9.091	< 0.020	< 0.055	0.360
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	8	>100.0	1	12.500	10.700	38.713	161.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	24	23	>4.00	0	0.000	< 0.110	< 0.586	2.060
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	6.900	20.300	35.000
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:
I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Nitrite, Oxidizability, Total PAH, Total Trihalomethanes, Turbidity

Water Supply Zone - Z2504 - Clay Lake
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 6600

This zone has a surface water source :R2509

PCV Exceedences:

Sample failed 14-MAY-2002 (Z2504AE) Oxidizability = 5.4.
 Sample failed 16-DEC-2002 (Z2504AE) Oxidizability = 6.0.
 Sample failed 20-NOV-2002 (Z2504AE) Oxidizability = 7.3.
 Sample failed 15-OCT-2002 (Z2504AE) Oxidizability = 7.2.
 Sample failed 16-OCT-2002 (Z2504AE) Oxidizability = 6.8.
 Sample failed 23-JUL-2002 (Z2504AE) Oxidizability = 8.2.
 Sample failed 19-JUN-2002 (Z2504AE) Oxidizability = 6.6.
 Sample failed 19-JUN-2002 (Z2504AE) Total PAH = 0.36 ug/l.
 Sample failed 16-APR-2002 (Z2504AE) Total Trihalomethanes = 161.400.

Notes:

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

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	S	4	2	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	2	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	12	11	>200.0	1	9.091	53.000	137.455	344.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.006	0.007
Azinphos methyl	ug/l	S	4	2	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	27.000	27.000	27.000
Bentazone	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	11	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	2	>0.10	0	0.000	0.020	0.040	0.060
Colony Counts 22	No./l ml	S	12	11		0	0.000	0.000	0.636	4.000
Colony Counts 37 (48hrs)	No./l ml	S	12	11		0	0.000	0.000	9.000	93.000
Colour	mg/l Pt/C	S	4	4	>20.00	50	0.000	2.130	6.618	17.070
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	< 2.100	< 3.233	5.100
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.008	0.010
Dichlorbenil	ug/l	S	4	2	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	2	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	11		0	0.000	0.180	1.219	2.200
Gamma-HCH (Lindane)	ug/l	S	4	2	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	2	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2506 - Altmore Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	12	10	9.50	0	0.000	6.350	7.314	8.210
Iron	ug Fe/l	I	12	11	>200	0	0.000	< 7.560	< 42.159	194.980
Isoproturon	ug/l	S	4	2	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 1.127	1.810
MCPA	ug/l	I	12	11	>0.10	0	0.000	0.004	0.015	0.080
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	200	0.000	14.400	20.645	31.310
Mecoprop (MCPP)	ug/l	I	12	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	0	>50.00	0	0			
Nitrite	mg NO2/l	S	4	0	>0.100	0	0			
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.500	2.000
Odour - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	2	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	2	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	2	>0.100	0	0.000	< 0.005	< 0.006	0.007
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.250	1.000
Taste - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	2.000	7.550	14.200
Terbutryne	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	2	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	2	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	11		0	0.000	0.250	1.341	2.400
Total Coliforms	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	11	>0.20	0	0.000	< 0.020	< 0.034	0.110
Total Pesticides	ug/l	S	4	2	>0.5000	0	0.000	< 0.050	< 0.070	0.090
Total Trihalomethanes	ug/l	I	12	6	>100.0	4	66.667	59.500	130.000	190.400
Trichloroethene	ug/l	S	4	2	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.009	< 0.015
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.200	< 0.315	0.470
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	10.100	14.100	20.200
op-DDT	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	2		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:
 I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Hydrogen Ion, Iron, MCPA, Mecoprop (MCPP), Total PAH, Total Trihalomethane

Water Supply Zone - Z2506 - Altmore
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 3600

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 25-NOV-2002 (Z2506AE) Aluminium = 344.
 Sample failed 25-OCT-2002 (Z2506AE) Total Trihalomethanes = 113.900.
 Sample failed 26-SEP-2002 (Z2506AE) Total Trihalomethanes = 153.900.
 Sample failed 12-SEP-2002 (Z2506AE) Total Trihalomethanes = 190.400.
 Sample failed 05-SEP-2002 (Z2506AE) Total Trihalomethanes = 184.200.

Notes:

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

Water Supply Zone - Z2507 - Altmore - Gortlenaghan : Period 01-JAN-2002 to 31-DEC-2002 incl.
 Printed On 27-AUG-2004 : Water Service

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	12	12	>200.0	3	25.000	52.000	179.417	338.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	12	>10.0	0	0.000	< 0.100	< 0.225	1.200
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	0.020	0.020	0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	1.000	5.000
Colony Counts 37 (48hrs)	No./l ml	S	12	12		0	0.000	0.000	1.167	4.000
Colour	mg/l Pt/C	S	4	4	>20.00	50	0.000	1.180	2.155	4.180
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	< 0.900	< 46.067	135.400
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.011	0.020
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.050	0.737	2.250
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2507 - Altmore - Gortlenaghan
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	12	11	9.50	0	0.000	7.020	7.424	8.630
Iron	ug Fe/l	I	12	9	>200	0	0.000	< 7.560	< 46.814	125.300
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 3.860	9.690
MCPA	ug/l	I	12	12	>0.10	0	0.000	< 0.004	< 0.009	0.030
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	12	9	>50.0	200	0.000	1.680	44.733	147.440
Mecoprop (MCP)	ug/l	I	12	8	>0.10	0	0.000	< 0.005	< 0.005	0.006
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	4	0	>50.00	0	0			
Nitrite	mg NO2/l	S	4	0	>0.100	0	0			
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.250	1.000
Odour - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.250	1.000
Taste - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	0.000	8.000	16.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.090	0.833	2.450
Total Coliforms	No./100ml	S	12	12	>0	2	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	12	>0.20	2	16.667	< 0.020	< 0.126	0.910
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	7	>100.0	5	71.429	58.800	128.114	195.500
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.008	< 0.015
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.000	< 0.185	0.310
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	< 4.100	< 10.733	20.000
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Hydrogen Ion, Iron, MCPA, Manganese, Mecoprop (MCP), Total PAH, Total Trihalomethane

Water Supply Zone - Z2507 - Altmore - Gortlenaghan
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 3900

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 04-JAN-2002 (Z2507AE) Aluminium = 291.
 Sample failed 04-NOV-2002 (Z2507AE) Aluminium = 264.
 Sample failed 14-MAR-2002 (Z2507AE) Aluminium = 338.
 Sample failed 03-OCT-2002 (Z2507AE) Total PAH = 0.91 ug/l.
 Sample failed 02-DEC-2002 (Z2507AE) Total PAH = 0.23 ug/l.
 Sample failed 02-DEC-2002 (Z2507AE) Total Trihalomethanes = 145.300.
 Sample failed 03-OCT-2002 (Z2507AE) Total Trihalomethanes = 195.500.
 Sample failed 04-NOV-2002 (Z2507AE) Total Trihalomethanes = 118.500.
 Sample failed 01-JUL-2002 (Z2507AE) Total Trihalomethanes = 163.200.
 Sample failed 07-JUN-2002 (Z2507AE) Total Trihalomethanes = 127.600.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	36	34	>200.0	0	0.000	< 15.000	< 62.471	134.000
Ammonium	mg NH4/l	S	10	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.007	0.021	0.036
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	57.000	57.000	57.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	10	>10.0	0	0.000	< 0.100	< 0.350	0.900
Boron	ug B/l	S	1	1	>2000.0	0	0.000	17.000	17.000	17.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.150	1.150	1.150
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	51		0	0.000	0.000	2.216	20.000
Colony Counts 37 (48hrs)	No./l ml	S	52	51		0	0.000	0.000	3.471	54.000
Colour	mg/l Pt/C	S	10	9	>20.00	30	0.000	3.330	7.781	17.760
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	5.200	43.800	109.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	72	71	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	72	71		0	0.000	0.010	0.511	1.800
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2508 - Castor Bay - Shanmoy
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	38	9.50	0	0.000	6.460	7.293	8.500
Iron	ug Fe/l	S	10	9	>200	0	0.000	4.600	10.267	23.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 6.347	15.560
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.009	0.010
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	100	0.000	< 1.620	< 4.164	12.800
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.010	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	2	>50.00	0	0.000	1.917	2.271	2.625
Nitrite	mg NO2/l	S	10	2	>0.100	0	0.000	< 0.000	< 0.008	< 0.015
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.111	1.000
Odour - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.009	0.016	0.021
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.222	1.000
Taste - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	5.000	10.656	15.900
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S	72	71		0	0.000	0.040	0.631	2.000
Total Coliforms	No./100ml	S	72	71	>0	1	1.408	0.000	0.014	1.000
Total PAH	ug/l	I	12	10	>0.20	0	0.000	< 0.020	< 0.046	0.170
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.062	0.079
Total Trihalomethanes	ug/l	I	12	9	>100.0	5	55.556	8.000	90.344	151.800
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	< 0.015
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.110	< 0.417	1.410
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	11.400	34.500	49.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2508 - Castor Bay - Shanmoy
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 26000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 29-APR-2002 (Z2508AE) Total Coliforms = 1.
 Sample failed 09-DEC-2002 (Z2508AE) Total Trihalomethanes = 142.600.
 Sample failed 18-NOV-2002 (Z2508AE) Total Trihalomethanes = 134.200.
 Sample failed 09-SEP-2002 (Z2508AE) Total Trihalomethanes = 151.800.
 Sample failed 07-MAY-2002 (Z2508AE) Total Trihalomethanes = 132.400.
 Sample failed 10-APR-2002 (Z2508AE) Total Trihalomethanes = 138.600.

Notes:

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

Water Supply Zone - Z2701 - Foffany - Banbridge
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	24	>200.0	1	4.167	< 6.000	< 99.500	308.000
Ammonium	mg NH4/l	S	6	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.370	0.370	0.370
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.047	0.100
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.021	0.047
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	11	>10.0	0	0.000	< 0.100	< 0.409	2.400
Boron	ug B/l	S	1	1	>2000.0	0	0.000	13.000	13.000	13.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.540	0.540	0.540
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	48		0	0.000	0.000	7.313	71.000
Colony Counts 37 (48hrs)	No./l ml	S	48	48		0	0.000	0.000	1.229	6.000
Colour	mg/l Pt/C	S	6	6	>20.00	50	0.000	4.440	7.635	11.560
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	5.800	97.533	218.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	48		0	0.000	0.010	0.478	2.200
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z2701 - Foffany - Banbridge
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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
Hydrogen Ion	pH value	I 24	22	9.50	0	0.000	6.350	7.271	8.060
Iron	ug Fe/l	I 24	23	>200	2	8.696	< 7.560	< 81.009	434.340
Isoproturon	ug/l	S 4	3	>0.10	0	0.000	< 0.009	< 0.026	0.060
Lead	ug Pb/l	I 12	9	>50.0	0	0.000	< 0.680	< 12.218	47.000
MCPA	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.013	0.030
Magnesium		S 1	0	>50.00	0	0			
Malathion	ug/l	S 4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S 6	6	>50.0	0	0.000	3.000	4.443	5.600
Mecoprop (MCCP)	ug/l	S 4	3	>0.10	0	0.000	< 0.005	< 0.013	0.030
Mercury	ug Hg/l	S 1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S 1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S 6	2	>50.00	0	0.000	1.045	1.062	1.078
Nitrite	mg NO2/l	S 6	2	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S 6	6	>3	4	0	0.000	0.167	1.000
Odour - Intensity		S 24	24		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	0	>5.00	0	0			
Parathion	ug/l	S 4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S 1	0	>2200	0	0			
Potassium		S 1	0	>12.00	0	0			
Propetamphos	ug/l	S 4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S 1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S 1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S 4	3	>0.100	0	0.000	< 0.005	< 0.017	0.028
Sodium	mg Na/l	S 1	0	>150.00	0	0			
Sulphate	mg SO4/l	S 1	0	>250	0	0			
Surfactants	ug/l L.S.O	S 1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S 6	6	>3	4	0	0.000	0.333	1.000
Taste - Intensity		S 24	24		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S 6	6	>25.0	0	0.000	5.000	8.833	14.000
Terbutryne	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S 4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S 4	3	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S 48	48		0	0.000	0.010	1.088	25.000
Total Coliforms	No./100ml	S 48	48	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I 12	11	>0.20	0	0.000	< 0.020	< 0.024	0.040
Total Pesticides	ug/l	S 4	3	>0.5000	0	0.000	< 0.050	< 0.122	0.186
Total Trihalomethanes	ug/l	I 12	8	>100.0	8	100.00	101.400	131.005	194.800
Trichloroethene	ug/l	S 4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S 4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S 6	6	>4.00	0	0.000	< 0.250	< 0.502	1.030
Zinc	ug Zn/l	S 4	3	>5000	0	0.000	9.900	32.200	60.100
op-DDT	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S 4	3		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Hydrogen Ion, Iron, Lead, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2701 - Foffany - Banbridge
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 20000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 29-JAN-2002 (Z2701AE) Aluminium = 308.
 Sample failed 14-AUG-2002 (Z2701AE) Iron = 236.
 Sample failed 05-APR-2002 (Z2701AE) Iron = 434.
 Sample failed 17-DEC-2002 (Z2701AE) Total Trihalomethanes = 124.400.
 Sample failed 19-NOV-2002 (Z2701AE) Total Trihalomethanes = 110.600.
 Sample failed 15-OCT-2002 (Z2701AE) Total Trihalomethanes = 148.500.
 Sample failed 01-OCT-2002 (Z2701AE) Total Trihalomethanes = 138.900.
 Sample failed 14-AUG-2002 (Z2701AE) Total Trihalomethanes = 194.800.
 Sample failed 19-JUN-2002 (Z2701AE) Total Trihalomethanes = 101.400.
 Sample failed 15-MAY-2002 (Z2701AE) Total Trihalomethanes = 118.700.
 Sample failed 19-APR-2002 (Z2701AE) Total Trihalomethanes = 110.740.

Notes:

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

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	S	4	2	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	2	>0.100	0	0.000	< 0.005	< 0.006	< 0.006
Aluminium	ug Al/l	I	36	36	>200.0	5	13.889	38.000	123.792	341.000
Ammonium	mg NH4/l	S	10	1	>0.50	0	0.000	< 0.012	< 0.012	< 0.012
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	2	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	10	>10.0	0	0.000	< 0.100	< 0.220	0.900
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	3.635	35.000
Colony Counts 37 (48hrs)	No./l ml	S	52	52		0	0.000	0.000	2.596	61.000
Colour	mg/l Pt/C	S	10	10	>20.00	50	0.000	4.160	8.166	16.530
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	6.600	74.833	185.800
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	2	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	2	>0.10	0	0.000	< 0.003	< 0.004	< 0.004
Diquat	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	2	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	1	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	60	60		0	0.000	0.005	0.778	2.400
Gamma-HCH (Lindane)	ug/l	S	4	2	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.003	< 0.004

Water Supply Zone - Z2702 - Foffany - Newry Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	42	37	9.50	0	0.000	6.730	7.365	8.720
Iron	ug Fe/l	I	36	34	>200	3	8.824	< 7.560	< 96.116	538.690
Isoproturon	ug/l	S	4	2	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 1.080	1.560
MCPA	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	0	0.000	< 1.620	< 6.338	14.250
Mecoprop (MCCP)	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	10	2	>50.00	0	0.000	< 0.913	< 1.745	2.576
Nitrite	mg NO2/l	S	10	2	>0.100	0	0.000	< 0.012	< 0.015	< 0.018
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	42		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	2	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	2	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	2	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.100	1.000
Taste - Intensity		S	42	42		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	2	>0.10	0	0.000	< 0.003	< 0.007	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	6.000	9.111	15.000
Terbutryne	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	2	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	2	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	60	60		0	0.000	0.010	0.884	2.400
Total Coliforms	No./100ml	S	60	60	>0	1	1.667	0.000	0.017	1.000
Total PAH	ug/l	I	12	10	>0.20	0	0.000	< 0.020	< 0.021	0.030
Total Pesticides	ug/l	S	4	2	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	9	>100.0	6	66.667	22.000	132.644	228.700
Trichloroethene	ug/l	S	4	2	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.170	< 0.398	0.640
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	9.000	20.667	36.100
op-DDT	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	2		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:
I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Hydrogen Ion, Iron, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2702 - Foffany - Newry
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 23000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 11-JAN-2002 (Z2702AE) Aluminium = 284.
 Sample failed 08-AUG-2002 (Z2702AE) Aluminium = 284.
 Sample failed 15-AUG-2002 (Z2702AE) Aluminium = 325.
 Sample failed 20-JUN-2002 (Z2702AE) Aluminium = 341.
 Sample failed 28-JAN-2002 (Z2702AE) Aluminium = 214.
 Sample failed 11-JAN-2002 (Z2702AE) Iron = 287.
 Sample failed 21-NOV-2002 (Z2702AE) Iron = 420.
 Sample failed 26-JUN-2002 (Z2702AE) Iron = 539.
 Sample failed 03-OCT-2002 (Z2702AE) Total Coliforms = 1.
 Sample failed 23-DEC-2002 (Z2702AE) Total Trihalomethanes = 105.700.
 Sample failed 24-OCT-2002 (Z2702AE) Total Trihalomethanes = 122.200.
 Sample failed 22-AUG-2002 (Z2702AE) Total Trihalomethanes = 228.700.
 Sample failed 25-JUL-2002 (Z2702AE) Total Trihalomethanes = 188.900.
 Sample failed 26-JUN-2002 (Z2702AE) Total Trihalomethanes = 189.500.
 Sample failed 25-APR-2002 (Z2702AE) Total Trihalomethanes = 151.800.

Notes:

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

Water Supply Zone - Z2703 - Foffany - Castor Bay
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	5	>200.0	0	0.000	< 19.000	< 57.000	103.000
Ammonium	mg NH4/l	S	6	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	2.300	2.300	2.300
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.040	0.100
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.016	0.042
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	19.000	19.000	19.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	4	>10.0	0	0.000	0.100	0.150	0.300
Boron	ug B/l	S	1	1	>2000.0	0	0.000	21.000	21.000	21.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium	ug/l	S	1	1	>250.0	0	0.000	34.300	34.300	34.300
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.050	1.050	1.050
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	46		0	0.000	0.000	19.848	197.000
Colony Counts 37 (48hrs)	No./l ml	S	48	46		0	0.000	0.000	1.630	9.000
Colour	mg/l Pt/C	S	6	5	>20.00	30	0.000	6.590	9.582	10.920
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	< 2.500	<117.033	230.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	47		0	0.000	0.010	0.170	1.200
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2703 - Foffany - Castor Bay
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	24	22	9.50	0	0.000	6.380	7.315	8.060
Iron	ug Fe/l	I	24	24	>200	0	0.000	< 7.560	< 37.934	142.290
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.014	0.030
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	0.100	2.330	3.710
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.008	0.020
Magnesium		S	1	1	>50.00	0	0.000	7.200	7.200	7.200
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	5	>50.0	100	0.000	< 1.620	< 12.150	42.300
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.030
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	1	>50.00	0	0.000	2.240	2.240	2.240
Nitrite	mg NO2/l	S	6	1	>0.100	0	0.000	< 0.025	< 0.025	< 0.025
Odour	Diln No	S	6	5	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	22		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	1	100.000	5.680	5.680	5.680
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	131.000	131.000	131.000
Potassium		S	1	1	>12.00	0	0.000	5.300	5.300	5.300
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	4.900	4.900	4.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.013	0.025
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.500	10.500	10.500
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	5	>3	4	0.000	0.000	0.200	1.000
Taste - Intensity		S	24	22		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	6	5	>25.0	0	0.000	7.000	9.600	15.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S	48	46		0	0.000	0.050	0.265	1.400
Total Coliforms	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	4	>0.20	0	0.000	< 0.020	< 0.023	0.030
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.093	0.160
Total Trihalomethanes	ug/l	I	12	9	>100.0	9	100.000	141.500	166.656	234.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	6	5	>4.00	0	0.000	< 0.160	< 0.260	0.310
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	7.700	30.933	72.700
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Hydrogen Ion, Iron, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2703 - Foffany - Castor Bay
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 12000

This zone has a surface water source :R2711

PCV Exceedences:

Sample failed 03-APR-2002 (Z2703AE) Oxidizability = 5.7.
 Sample failed 31-JUL-2002 (Z2703AE) Total Trihalomethanes = 234.400.
 Sample failed 16-JUL-2002 (Z2703AE) Total Trihalomethanes = 164.700.
 Sample failed 07-JUN-2002 (Z2703AE) Total Trihalomethanes = 141.500.
 Sample failed 02-MAY-2002 (Z2703AE) Total Trihalomethanes = 163.400.
 Sample failed 16-OCT-2002 (Z2703AE) Total Trihalomethanes = 151.800.
 Sample failed 11-SEP-2002 (Z2703AE) Total Trihalomethanes = 149.400.
 Sample failed 03-DEC-2002 (Z2703AE) Total Trihalomethanes = 164.700.
 Sample failed 13-NOV-2002 (Z2703AE) Total Trihalomethanes = 176.000.
 Sample failed 03-APR-2002 (Z2703AE) Total Trihalomethanes = 154.000.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I	36	34	>200.0	6	17.647	< 4.000	<131.838	467.000
Ammonium	mg NH4/l	S	10	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	11	>10.0	0	0.000	0.100	0.236	1.000
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.640	0.640	0.640
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	51		0	0.000	0.000	5.333	89.000
Colony Counts 37 (48hrs)	No./l ml	S	52	51		0	0.000	0.000	0.980	9.000
Colour	mg/l Pt/C	S	10	8	>20.00	50	0.000	< 0.940	< 7.210	12.080
Copper	ug Cu/l	S	4	2	>3000.0	0	0.000	< 1.400	< 8.050	14.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	62	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	60	62		0	0.000	0.020	0.735	1.800
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004

Water Supply Zone - Z2704 - Newry Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	42	38	9.50	0	0.000	6.570	7.244	8.410
Iron	ug Fe/l	I	36	32	>200	1	3.125	< 7.560	< 80.434	384.500
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	2	>50.0	0	0.000	< 0.890	< 0.945	1.000
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	8	>50.0	0	0.000	< 1.620	< 8.169	34.630
Mecoprop (MCCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	2	>50.00	0	0.000	2.305	2.458	2.611
Nitrite	mg NO2/l	S	10	2	>0.100	0	0.000	< 0.018	< 0.021	< 0.024
Odour	Diln No	S	10	8	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	8	>3	4	0.000	0.000	0.125	1.000
Taste - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.008	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	5.000	9.956	17.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	60	62		0	0.000	0.060	0.871	1.800
Total Coliforms	No./100ml	S	60	62	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	11	>0.20	0	0.000	< 0.020	< 0.023	0.050
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	8	>100.0	7	87.500	89.800	158.075	208.900
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	8	>4.00	0	0.000	< 0.210	< 0.383	0.690
Zinc	ug Zn/l	S	4	2	>5000	0	0.000	5.700	15.250	24.800
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Hydrogen Ion, Iron, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2704 - Newry
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 22000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 10-JAN-2002 (Z2704AE) Aluminium = 261.
 Sample failed 13-FEB-2002 (Z2704AE) Aluminium = 209.
 Sample failed 07-FEB-2002 (Z2704AE) Aluminium = 283.
 Sample failed 16-AUG-2002 (Z2704AE) Aluminium = 467.
 Sample failed 09-AUG-2002 (Z2704AE) Aluminium = 259.
 Sample failed 19-JUL-2002 (Z2704AE) Aluminium = 284.
 Sample failed 19-JUL-2002 (Z2704AE) Iron = 385.
 Sample failed 12-NOV-2002 (Z2704AE) Total Trihalomethanes = 134.800.
 Sample failed 11-OCT-2002 (Z2704AE) Total Trihalomethanes = 144.300.
 Sample failed 13-SEP-2002 (Z2704AE) Total Trihalomethanes = 181.800.
 Sample failed 09-AUG-2002 (Z2704AE) Total Trihalomethanes = 208.900.
 Sample failed 29-AUG-2002 (Z2704AE) Total Trihalomethanes = 199.500.
 Sample failed 11-JUN-2002 (Z2704AE) Total Trihalomethanes = 164.200.
 Sample failed 08-MAY-2002 (Z2704AE) Total Trihalomethanes = 141.300.

Notes:

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

Water Supply Zone - Z2705 - Foffany - Ballymaconaghy
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	12	12	>200.0	1	8.333	69.000	122.667	294.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	4	>10.0	0	0.000	< 0.100	< 0.450	1.500
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	2.833	10.000
Colony Counts 37 (48hrs)	No./l ml	S	12	12		0	0.000	0.000	1.333	6.000
Colour	mg/l Pt/C	S	4	4	>20.00	50	0.000	2.550	8.190	17.070
Copper	ug Cu/l	S	4	2	>3000.0	0	0.000	5.400	15.550	25.700
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.090	0.874	1.800
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2705 - Foffany - Ballymaconaghy Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	12	11	9.50	0	0.000	6.370	7.167	9.110
Iron	ug Fe/l	I	12	11	>200	0	0.000	32.000	65.098	144.400
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 0.787	< 1.000
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	250	0.000	1.000	2.500	4.500
Mecoprop (MCPP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	4	0	>50.00	0	0			
Nitrite	mg NO2/l	S	4	0	>0.100	0	0			
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	7.000	9.950	12.800
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>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	0.952	1.800
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	9	>100.0	6	66.667	67.200	116.781	202.100
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.300	0.460	0.710
Zinc	ug Zn/l	S	4	2	>5000	0	0.000	< 5.300	< 6.700	8.100
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Hydrogen Ion, Iron, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2705 - Foffany - Ballymaconaghy
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 4500

PCV Exceedences:

Sample failed 12-AUG-2002 (Z2705AE) Aluminium = 294.
 Sample failed 23-SEP-2002 (Z2705AE) Total Trihalomethanes = 124.600.
 Sample failed 14-OCT-2002 (Z2705AE) Total Trihalomethanes = 149.000.
 Sample failed 12-AUG-2002 (Z2705AE) Total Trihalomethanes = 123.800.
 Sample failed 17-JUN-2002 (Z2705AE) Total Trihalomethanes = 105.600.
 Sample failed 18-JUL-2002 (Z2705AE) Total Trihalomethanes = 202.100.
 Sample failed 13-MAY-2002 (Z2705AE) Total Trihalomethanes = 109.200.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	6	5	>200.0	0	0.000	32.000	79.520	138.000
Ammonium	mg NH4/l	S	6	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.011	0.015
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	9	>10.0	0	0.000	< 0.100	< 0.200	0.900
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	47		0	0.000	0.000	12.936	81.000
Colony Counts 37 (48hrs)	No./l ml	S	48	47		0	0.000	0.000	18.277	170.000
Colour	mg/l Pt/C	S	6	5	>20.00	40	0.000	5.330	12.846	18.400
Copper	ug Cu/l	S	4	2	>3000.0	0	0.000	43.800	49.550	55.300
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	47		0	0.000	0.000	0.707	2.700
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004

Water Supply Zone - Z2706 - Lough Ross Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	21	9.50	0	0.000	6.870	7.327	7.850
Iron	ug Fe/l	I	24	23	>200	2	8.696	7.710	135.685	634.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 0.783	< 0.890
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.011	0.020
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	5	>50.0	500	0.000	< 1.620	< 4.206	10.900
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	0.010	0.020	0.030
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	6	2	>50.00	0	0.000	5.262	7.293	9.323
Nitrite	mg NO2/l	S	6	2	>0.100	0	0.000	< 0.000	< 0.019	< 0.037
Odour	Diln No	S	6	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	22		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	8	>5.00	3	37.500	2.800	5.084	8.880
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	3	>0.100	0	0.000	0.011	0.023	0.031
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	6	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	22		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.008	< 0.010
Temperature	Deg C	S	6	5	>25.0	0	0.000	6.000	8.200	10.000
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	47		0	0.000	0.020	0.863	3.300
Total Coliforms	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	9	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.076	0.101
Total Trihalomethanes	ug/l	I	12	9	>100.0	7	77.778	51.300	145.417	259.300
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	24	24	>4.00	1	4.167	< 0.070	< 0.763	5.260
Zinc	ug Zn/l	S	4	2	>5000	0	0.000	6.300	7.400	8.500
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:
I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Oxidizability, Total PAH, Total Trihalomethanes, Turbidity

Water Supply Zone - Z2706 - Lough Ross
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 10200

PCV Exceedences:

Sample failed 23-APR-2002 (Z2706AE) Iron = 501.
 Sample failed 14-MAR-2002 (Z2706AE) Iron = 634.
 Sample failed 28-JUN-2002 (Z2706AE) Oxidizability = 5.8.
 Sample failed 28-NOV-2002 (Z2706AE) Oxidizability = 8.9.
 Sample failed 22-OCT-2002 (Z2706AE) Oxidizability = 5.6.
 Sample failed 24-SEP-2002 (Z2706AE) Total Trihalomethanes = 164.400.
 Sample failed 23-AUG-2002 (Z2706AE) Total Trihalomethanes = 259.300.
 Sample failed 28-JUN-2002 (Z2706AE) Total Trihalomethanes = 109.000.
 Sample failed 21-MAY-2002 (Z2706AE) Total Trihalomethanes = 149.800.
 Sample failed 24-DEC-2002 (Z2706AE) Total Trihalomethanes = 177.800.
 Sample failed 28-NOV-2002 (Z2706AE) Total Trihalomethanes = 119.300.
 Sample failed 22-OCT-2002 (Z2706AE) Total Trihalomethanes = 178.100.
 Sample failed 14-MAR-2002 (Z2706AE) Turbidity = 5.26.

Notes:

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

Water Supply Zone - Z2707 - Cloughinney-Ballintemple
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I	12	11	>200.0	0	0.000	< 12.000	< 39.091	60.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	11	>10.0	0	0.000	< 0.100	< 0.291	0.900
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	10.000	10.000	10.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	15.467	15.467	15.467
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	21.083	190.000
Colony Counts 37 (48hrs)	No./l ml	S	12	12		0	0.000	0.000	3.417	17.000
Colour	mg/l Pt/C	S	4	4	>20.00	50	0.000	6.680	11.685	16.670
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	6.700	483.900	933.000
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	48.737	48.737	48.737
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.030	0.471	1.400
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2707 - Cloughinney-Ballintemple
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	6.780	7.098	7.550
Iron	ug Fe/l	I	12	11	>200	0	0.000	< 7.560	< 47.885	115.670
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 4.047	7.110
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	2.800	2.800	2.800
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	200	0.000	< 1.620	< 3.185	5.300
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	0	>50.00	0	0			
Nitrite	mg NO2/l	S	4	0	>0.100	0	0			
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	4		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.200	2.200	2.200
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 0.000	< 0.000	< 0.000
Potassium		S	1	1	>12.00	0	0.000	1.600	1.600	1.600
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.200	7.200	7.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	6.124	6.124	6.124
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	4		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	7.000	9.725	13.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.070	0.575	1.200
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	11	>0.20	0	0.000	< 0.020	< 0.022	0.040
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	8	>100.0	0	0.000	43.000	61.225	87.700
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.210	< 0.243	0.260
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	7.000	17.367	31.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Benzo 3 4 pyrene, Iron, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2707 - Cloughinney-Ballintemple
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 4000

This zone has a surface water source :R2703

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

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	S	4	0	>3.00	0	0			
Aldrin	ug/l	S	4	0	>0.100	0	0			
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 23.000	< 53.750	75.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	0	>0.10	0	0			
Atrazine	ug/l	S	4	0	>0.10	0	0			
Azinphos methyl	ug/l	S	4	0	>0.10	0	0			
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	0	>0.10	0	0			
Benzo 3 4 pyrene	ng/l	I	12	0	>10.0	0	0			
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	1	>250.0	0	0.000	36.100	36.100	36.100
Chlorfenvinphos	ug/l	S	4	0	>0.10	0	0			
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	0	>0.10	0	0			
Chlortoluron	ug/l	S	4	0	>0.10	0	0			
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	0	>0.10	0	0			
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	16.333	109.000
Colony Counts 37 (48hrs)	No./l ml	S	12	12		0	0.000	0.000	3.000	15.000
Colour	mg/l Pt/C	S	4	3	>20.00	0	0.000	8.960	11.243	15.090
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	17.600	27.667	37.100
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	0	>0.10	0	0			
Diazinon	ug/l	S	4	0	>0.10	0	0			
Dicamba	ug/l	S	4	0	>0.10	0	0			
Dichlorbenil	ug/l	S	4	0	>0.10	0	0			
Dichlorophen	ug/l	S	4	0	>0.10	0	0			
Dichlorvos	ug/l	S	4	0	>0.10	0	0			
Dieldrin	ug/l	S	4	0	>0.10	0	0			
Diquat	ug/l	S	4	0	>0.10	0	0			
Diuron	ug/l	S	4	0	>0.10	0	0			
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	0	>0.10	0	0			
Endosulphan-a	ug/l	S	4	0	>0.10	0	0			
Endosulphan-b	ug/l	S	4	0	>0.10	0	0			
Endrin	ug/l	S	4	0	>0.10	0	0			
Fenitrothion	ug/l	S	4	0	>0.10	0	0			
Fenpropimorph	ug/l	S	4	0	>0.10	0	0			
Flumethrin	ug/l	S	4	0	>0.10	0	0			
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	0	>0.10	0	0			
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.020	0.211	0.800
Gamma-HCH (Lindane)	ug/l	S	4	0	>0.10	0	0			
Glyphosate	ug/l	S	4	0	>0.10	0	0			
Hexachlorobenzene	ug/l	S	4	0	>0.10	0	0			

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.
Hydrogen Ion	pH value	S	6	5	9.50	0	0.000	6.840	7.378	7.670
Iron	ug Fe/l	S	4	3	>200	0	0.000	< 7.560	< 20.520	43.000
Isoproturon	ug/l	S	4	0	>0.10	0	0			
Lead	ug Pb/l	I	12	8	>50.0	1	12.500	< 0.680	< 72.487	537.400
MCPA	ug/l	S	4	0	>0.10	0	0			
Magnesium		S	1	1	>50.00	0	0.000	8.100	8.100	8.100
Malathion	ug/l	S	4	0	>0.10	0	0			
Manganese	ug Mn/l	S	4	3	>50.0	0	0.000	2.500	3.333	4.500
Mecoprop (MCPP)	ug/l	S	4	0	>0.10	0	0			
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	4	0	>50.00	0	0			
Nitrite	mg NO2/l	S	4	0	>0.100	0	0			
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	9	>5.00	1	11.111	3.400	4.531	5.200
Parathion	ug/l	S	4	0	>0.10	0	0			
Pentachlorophenol	ug/l	S	4	0	>0.10	0	0			
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 0.000	< 0.000	< 0.000
Potassium		S	1	1	>12.00	0	0.000	4.200	4.200	4.200
Propetamphos	ug/l	S	4	0	>0.10	0	0			
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	0	>0.100	0	0			
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.500	11.500	11.500
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	5		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	0	>0.10	0	0			
Temperature	Deg C	S	4	4	>25.0	0	0.000	6.000	8.250	10.000
Terbutryne	ug/l	S	4	0	>0.10	0	0			
Tetrachloroethene	ug/l	S	4	0	>10.00	0	0			
Tetrachloromethane	ug/l	S	4	0	>3.00	0	0			
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.040	0.301	0.900
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	0	>0.20	0	0			
Total Pesticides	ug/l	S	4	0	>0.5000	0	0			
Total Trihalomethanes	ug/l	I	12	8	>100.0	8	100.00	114.200	150.313	175.300
Trichloroethene	ug/l	S	4	0	>30.00	0	0			
Trifluralin	ug/l	S	4	0	>0.10	0	0			
Turbidity	FTU	S	4	3	>4.00	0	0.000	< 0.250	< 0.267	0.300
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	14.100	37.467	80.500
op-DDT	ug/l	S	4	0	>0.10	0	0			
pp-DDT	ug/l	S	4	0		0	0			

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Lead, Oxidizability, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2708 - Teemore
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 3000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 11-OCT-2002 (Z2708AE) Lead = 537.4.
 Sample failed 14-NOV-2002 (Z2708AE) Oxidizability = 5.2.
 Sample failed 11-DEC-2002 (Z2708AE) Total Trihalomethanes = 173.000.
 Sample failed 14-NOV-2002 (Z2708AE) Total Trihalomethanes = 114.200.
 Sample failed 09-SEP-2002 (Z2708AE) Total Trihalomethanes = 175.300.
 Sample failed 11-OCT-2002 (Z2708AE) Total Trihalomethanes = 123.100.
 Sample failed 09-AUG-2002 (Z2708AE) Total Trihalomethanes = 166.400.
 Sample failed 16-JUL-2002 (Z2708AE) Total Trihalomethanes = 154.400.
 Sample failed 14-JUN-2002 (Z2708AE) Total Trihalomethanes = 125.400.
 Sample failed 11-APR-2002 (Z2708AE) Total Trihalomethanes = 170.700.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	130.000	191.750	269.000
Ammonium	mg NH4/l	S	4	0	>0.50	0	0			
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	11	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	0.100	0.100	0.100
Calcium		S	1	1	>250.0	0	0.000	6.800	6.800	6.800
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	14.646	14.646	14.646
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.830	0.830	0.830
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	1.917	9.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	0.750	6.000
Colour	mg/l Pt/C	S	4	4	>20.00	35	0.000	5.830	6.755	8.020
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	8.700	36.533	69.900
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.013	0.030
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	165.706	165.706	165.706
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	24	23		0	0.000	0.000	0.692	2.900
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z2709 - Silent Valley
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	24	22	9.50	0	0.000	6.160	6.886	7.980
Iron	ug Fe/l	I	24	21	>200	1	4.762	46.000	110.464	333.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.680	< 4.630	12.320
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	0.700	0.700	0.700
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	200	0.000	4.570	11.468	26.600
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	1	>50.00	0	0.000	1.696	1.696	1.696
Nitrite	mg NO2/l	S	4	1	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.900	1.900	1.900
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 0.000	< 0.000	< 0.000
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	4.900	4.900	4.900
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	1.680	1.680	1.680
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	7.900	8.225	9.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	24	23		0	0.000	0.010	0.769	3.100
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	11	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	9	>100.0	7	77.778	16.800	145.711	231.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.650	0.950	1.550
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	10.000	13.767	20.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Hydrogen Ion, Iron, Total PAH, Total Trihalomethanes

Water Supply Zone - Z2709 - Silent Valley
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 6000

PCV Exceedences:

Sample failed 04-JAN-2002 (Z2709AE) Iron = 333.
 Sample failed 15-APR-2002 (Z2709AE) Total Trihalomethanes = 187.900.
 Sample failed 20-DEC-2002 (Z2709AE) Total Trihalomethanes = 112.400.
 Sample failed 22-NOV-2002 (Z2709AE) Total Trihalomethanes = 113.400.
 Sample failed 21-OCT-2002 (Z2709AE) Total Trihalomethanes = 165.700.
 Sample failed 16-SEP-2002 (Z2709AE) Total Trihalomethanes = 231.400.
 Sample failed 12-AUG-2002 (Z2709AE) Total Trihalomethanes = 201.900.
 Sample failed 16-MAY-2002 (Z2709AE) Total Trihalomethanes = 185.900.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S 10	10	>200.0	500	0.000	< 1.400	< 8.570	28.000
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.037	0.225
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	1.400	1.400	1.400
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	0.010	0.018	0.024
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	18.000	18.000	18.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium	ug/l	S 1	1	>250.0	0	0.000	34.300	34.300	34.300
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	25.107	25.107	25.107
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.620	0.620	0.620
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 52	50		0	0.000	0.000	0.940	10.000
Colony Counts 37 (48hrs)	No./1 ml	S 52	50		0	0.000	0.000	2.360	82.000
Colour	mg/l Pt/C	S 10	10	>20.00	35	0.000	2.180	6.668	10.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	10.700	50.125	96.400
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 96	93	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	49.570	49.570	49.570
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 96	93		0	0.000	0.020	0.125	0.400
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3301 - Cavehill Printed On 27-AUG-2004 : Water Service			: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	60	58	9.50	0	0.000	7.000	7.547	7.970
Iron	ug Fe/l	I	48	46	>200	0	0.000	< 0.600	< 15.937	143.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	24	24	>50.0	2	8.333	<0	< 15.138	131.450
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	7.800	7.800	7.800
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 0.000	< 1.640	4.600
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.000	1.000	1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.179	1.980	2.951
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.011	0.023
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	56		1	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	0	0.000	< 0.020	< 3.643	4.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	120.000	120.000	120.000
Potassium		S	1	1	>12.00	0	0.000	4.200	4.200	4.200
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	4.100	4.100	4.100
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.005	0.014	0.019
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.100	11.100	11.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	15.138	15.138	15.138
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	51		4	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.000	13.270	17.800
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.325	0.400
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfe	mg Cl/l	S	96	93		0	0.000	0.060	0.278	0.500
Total Coliforms	No./100ml	S	96	93	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.051	0.054
Total Trihalomethanes	ug/l	I	24	23	>100.0	16	69.565	30.900	108.257	166.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.100	0.233	0.600
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.100	< 9.850	15.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Lead, Oxidizability, Total Trihalomethanes

Water Supply Zone - Z3301 - Cavehill
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 38900

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 18-DEC-2002 (Z3301AE) Lead = 131.
 Sample failed 10-JUN-2002 (Z3301AE) Lead = 55.
 Sample failed 09-SEP-2002 (Z3301AE) Total Trihalomethanes = 118.000.
 Sample failed 20-AUG-2002 (Z3301AE) Total Trihalomethanes = 130.800.
 Sample failed 07-AUG-2002 (Z3301AE) Total Trihalomethanes = 166.600.
 Sample failed 26-JUL-2002 (Z3301AE) Total Trihalomethanes = 152.100.
 Sample failed 10-JUL-2002 (Z3301AE) Total Trihalomethanes = 156.900.
 Sample failed 10-JUN-2002 (Z3301AE) Total Trihalomethanes = 117.200.
 Sample failed 09-MAY-2002 (Z3301AE) Total Trihalomethanes = 116.900.
 Sample failed 09-APR-2002 (Z3301AE) Total Trihalomethanes = 133.600.
 Sample failed 04-MAR-2002 (Z3301AE) Total Trihalomethanes = 102.200.
 Sample failed 04-APR-2002 (Z3301AE) Total Trihalomethanes = 135.200.
 Sample failed 30-APR-2002 (Z3301AE) Total Trihalomethanes = 113.400.
 Sample failed 07-JUN-2002 (Z3301AE) Total Trihalomethanes = 112.100.
 Sample failed 12-JUN-2002 (Z3301AE) Total Trihalomethanes = 123.800.
 Sample failed 16-JUL-2002 (Z3301AE) Total Trihalomethanes = 166.300.
 Sample failed 04-OCT-2002 (Z3301AE) Total Trihalomethanes = 117.700.
 Sample failed 18-OCT-2002 (Z3301AE) Total Trihalomethanes = 118.200.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	36	36	>200.0	0	0.000	< 0.000	< 5.753	19.500
Ammonium	mg NH4/l	S	10	9	>0.50	0	0.000	< 0.000	< 0.002	0.019
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	1.200	1.200	1.200
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.021	0.034
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	17.000	17.000	17.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.0	0	0.000	22.000	22.000	22.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	35.900	35.900	35.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.824	23.824	23.824
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.008	0.010
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.580	1.580	1.580
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	50		0	0.000	0.000	> 66.960	>2000.00
Colony Counts 37 (48hrs)	No./l ml	S	52	50		0	0.000	0.000	8.480	400.000
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	5.000	7.100	10.000
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	10.600	57.233	135.100
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	84	81	>0	1	1.235	0.000	1.012	82.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.036	< 0.083
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	68.866	68.866	68.866
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	84	81		0	0.000	0.020	0.134	0.500
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3302 - Ballygomartin Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	39	9.50	0	0.000	7.290	7.512	7.960
Iron	ug Fe/l	I	36	36	>200	0	0.000	< 0.800	< 13.025	47.500
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.012	0.020
Lead	ug Pb/l	I	12	4	>50.0	1	25.000	< 0	< 22.240	59.920
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	8.200	8.200	8.200
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	12	>50.0	0	0.000	< 0.300	< 2.417	5.400
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.200	2.200	2.200
Nitrate	mg NO3/l	S	10	9	>50.00	0	0.000	1.092	2.261	4.009
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.012	0.021
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	36		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.600	3.600	3.600
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	50.000	50.000	50.000
Potassium		S	1	1	>12.00	0	0.000	4.200	4.200	4.200
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	2.000	2.000	2.000
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.016	0.023
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.200	11.200	11.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	14.013	14.013	14.013
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	34		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.700	14.730	18.300
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	84	81		0	0.000	0.060	0.300	0.700
Total Coliforms	No./100ml	S	84	79	>0	1	1.266	0.000	1.038	82.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.056	0.062
Total Trihalomethanes	ug/l	I	12	8	>100.0	6	75.000	65.700	121.788	191.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.200	< 0.520	1.300
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	< 3.000	< 6.333	12.500
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3302 - Ballygomartin
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 34200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 25-JUN-2002 (Z3302AE) E_Coli = 82.
 Sample failed 05-JUN-2002 (Z3302AE) Lead = 60.
 Sample failed 25-JUN-2002 (Z3302AE) Total Coliforms = 82.
 Sample failed 05-JUN-2002 (Z3302AE) Total Trihalomethanes = 121.700.
 Sample failed 02-MAY-2002 (Z3302AE) Total Trihalomethanes = 118.000.
 Sample failed 04-APR-2002 (Z3302AE) Total Trihalomethanes = 138.600.
 Sample failed 12-JUN-2002 (Z3302AE) Total Trihalomethanes = 135.800.
 Sample failed 09-AUG-2002 (Z3302AE) Total Trihalomethanes = 191.100.
 Sample failed 22-JUL-2002 (Z3302AE) Total Trihalomethanes = 128.600.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I	36	35	>200.0	0	0.000	< 0	< 17.189	178.700
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.005	0.029
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.011	0.020	0.032
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.026	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	20.000	20.000	20.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S	1	1	>2000.0	0	0.000	18.000	18.000	18.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	35.700	35.700	35.700
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.454	24.454	24.454
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.680	1.680	1.680
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	49		0	0.000	0.000	7.184	220.000
Colony Counts 37 (48hrs)	No./l ml	S	52	49		0	0.000	0.000	7.082	200.000
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	< 0.000	< 3.579	6.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	13.700	40.400	96.300
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	56	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	33.831	33.831	33.831
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	60	56		0	0.000	0.020	0.106	0.200
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3304 - Divis										
Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	40	9.50	0	0.000	6.420	7.495	8.200
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 4.100	< 12.350	33.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.110	< 1.130	2.740
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	8.300	8.300	8.300
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	100	0.000	< 0.000	< 1.590	4.300
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.195	2.478	4.343
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.006	0.026
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.600	3.600	3.600
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	110.000	110.000	110.000
Potassium		S	1	1	>12.00	0	0.000	4.100	4.100	4.100
Propamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.006	0.017	0.023
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.300	11.300	11.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	15.099	15.099	15.099
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.500	12.660	17.300
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	60	56		0	0.000	0.020	0.267	0.500
Total Coliforms	No./100ml	S	60	56	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.053	0.056
Total Trihalomethanes	ug/l	I	12	12	>100.0	7	58.333	45.300	108.233	219.300
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Turbidity	FTU	I	36	35	>4.00	0	0.000	0.090	0.281	0.900
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 5.000	< 9.325	14.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3304 - Divis
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 20100

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 15-MAY-2002 (Z3304AE) Total Trihalomethanes = 111.500.
 Sample failed 04-MAR-2002 (Z3304AE) Total Trihalomethanes = 111.900.
 Sample failed 13-JUN-2002 (Z3304AE) Total Trihalomethanes = 143.100.
 Sample failed 08-AUG-2002 (Z3304AE) Total Trihalomethanes = 219.300.
 Sample failed 30-SEP-2002 (Z3304AE) Total Trihalomethanes = 150.900.
 Sample failed 26-SEP-2002 (Z3304AE) Total Trihalomethanes = 134.000.
 Sample failed 31-OCT-2002 (Z3304AE) Total Trihalomethanes = 108.300.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I	24	24	>200.0	0	0.000	< 0.000	< 17.684	183.300
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.005	0.028
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.010	0.020	0.032
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	20.000	20.000	20.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S	1	1	>2000.0	0	0.000	19.000	19.000	19.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	35.900	35.900	35.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.816	24.816	24.816
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.023	0.030
Colony Counts 22	No./l ml	S	48	46		0	0.000	0.000	12.652	285.000
Colony Counts 37 (48hrs)	No./l ml	S	48	46		0	0.000	0.000	3.478	121.000
Colour	mg/l Pt/C	S	6	6	>20.00	30	0.000	1.000	6.333	11.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	7.300	15.875	27.800
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	31.161	31.161	31.161
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	46		0	0.000	0.020	0.134	0.600
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3306 - HydePark Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	23	9.50	0	0.000	6.570	7.495	8.160
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 5.000	< 15.633	36.200
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0.100	< 8.214	36.180
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	8.300	8.300	8.300
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	100	0.000	0.800	1.700	2.800
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.235	2.489	4.834
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.010	0.024
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	22		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.000	3.000	3.000
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	100.000	100.000	100.000
Potassium		S	1	1	>12.00	0	0.000	4.300	4.300	4.300
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.005	0.018	0.027
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.400	11.400	11.400
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	14.599	14.599	14.599
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	22		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	5.900	13.017	18.400
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	46		0	0.000	0.040	0.295	0.800
Total Coliforms	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.060	0.075
Total Trihalomethanes	ug/l	I	12	11	>100.0	6	54.545	15.900	95.714	154.300
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Turbidity	FTU	S	6	6	>4.00	0	0.000	0.200	0.233	0.300
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 1.500	< 5.100	8.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Lead, Total Trihalomethanes

Water Supply Zone - Z3306 - HydePark
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 11200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 17-OCT-2002 (Z3306AE) Total Trihalomethanes = 100.700.
 Sample failed 16-JUL-2002 (Z3306AE) Total Trihalomethanes = 154.300.
 Sample failed 17-JUN-2002 (Z3306AE) Total Trihalomethanes = 133.400.
 Sample failed 26-MAR-2002 (Z3306AE) Total Trihalomethanes = 117.350.
 Sample failed 10-JUN-2002 (Z3306AE) Total Trihalomethanes = 106.400.
 Sample failed 18-OCT-2002 (Z3306AE) Total Trihalomethanes = 136.100.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	10	>200.0	500	0.000	< 3.000	< 8.420	20.600
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.013	0.070
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	2.300	2.300	2.300
Asulam	ug/l	S 4	4	>0.10	1	25.000	< 0.020	< 0.043	0.110
Atrazine	ug/l	S 4	4	>0.10	0	0.000	0.013	0.023	0.034
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	18.000	18.000	18.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S 1	1	>2000.0	0	0.000	17.000	17.000	17.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	33.000	33.000	33.000
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	25.174	25.174	25.174
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	1.000	1.000	1.000
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	51		0	0.000	0.000	6.392	238.000
Colony Counts 37 (48hrs)	No./l ml	S 52	51		0	0.000	0.000	0.529	7.000
Colour	mg/l Pt/C	S 10	10	>20.00	35	0.000	0.900	5.790	9.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	18.300	122.800	328.900
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 60	60	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S 1	0	>1500	0	0			
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 60	60		0	0.000	0.020	0.108	0.400
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

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.
Hydrogen Ion	pH value	S	42	39	9.50	0	0.000	7.140	7.494	8.150
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 2.000	< 12.260	19.600
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.320	< 4.805	8.880
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	7.800	7.800	7.800
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	200	0.000	0.700	2.470	4.900
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	9	>50.00	0	0.000	1.225	2.560	4.343
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.006	0.020
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	3	>5.00	1	33.333	1.300	3.523	6.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	180.000	180.000	180.000
Potassium		S	1	1	>12.00	0	0.000	3.900	3.900	3.900
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	4.900	4.900	4.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.017	0.019	0.021
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.600	10.600	10.600
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	3.800	13.780	18.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S	60	60		0	0.000	0.020	0.237	0.400
Total Coliforms	No./100ml	S	60	59	>0	1	1.695	0.000	0.203	12.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.073	0.135
Total Trihalomethanes	ug/l	I	12	11	>100.0	8	72.727	48.400	126.907	199.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.110	0.381	1.400
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 4.400	< 15.050	40.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Oxidizability, Total Trihalomethanes

Water Supply Zone - Z3308 - Whiterock
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 23000

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 08-APR-2002 (Z3308AE) Asulam = 0.11 ug/l.
 Sample failed 15-AUG-2002 (Z3308AE) Oxidizability = 6.4.
 Sample failed 14-JUN-2002 (Z3308AE) Total Coliforms = 12.
 Sample failed 23-OCT-2002 (Z3308AE) Total Trihalomethanes = 116.700.
 Sample failed 23-AUG-2002 (Z3308AE) Total Trihalomethanes = 166.500.
 Sample failed 26-JUL-2002 (Z3308AE) Total Trihalomethanes = 167.600.
 Sample failed 20-MAY-2002 (Z3308AE) Total Trihalomethanes = 116.000.
 Sample failed 17-APR-2002 (Z3308AE) Total Trihalomethanes = 161.180.
 Sample failed 21-MAY-2002 (Z3308AE) Total Trihalomethanes = 140.500.
 Sample failed 22-JUL-2002 (Z3308AE) Total Trihalomethanes = 134.700.
 Sample failed 12-AUG-2002 (Z3308AE) Total Trihalomethanes = 199.400.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	10	10	>200.0	0	0.000	18.100	33.080	71.200
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.059	0.484
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	13.000	13.000	13.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	36.300	36.300	36.300
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.126	23.126	23.126
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.940	0.940	0.940
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.023	0.030
Colony Counts 22	No./l ml	S	52	49		0	0.000	0.000	5.163	69.000
Colony Counts 37 (48hrs)	No./l ml	S	52	49		0	0.000	0.000	0.490	7.000
Colour	mg/l Pt/C	S	10	10	>20.00	40	0.000	< 1.000	< 2.229	3.290
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	26.800	240.600	775.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	84	81	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 3.357	< 3.357	< 3.357
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S	84	81		0	0.000	< 0.000	< 0.100	1.200
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3309 - Jordanstown Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	39	9.50	0	0.000	6.900	7.260	7.590
Iron	ug Fe/l	I	36	34	>200	1	2.941	< 5.100	< 75.153	212.200
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	2	16.667	< 0	< 17.048	59.040
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.030	0.070
Magnesium		S	1	1	>50.00	0	0.000	10.900	10.900	10.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 0.100	< 4.330	14.800
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.966	3.833	5.067
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	0	0.000	0.300	1.894	4.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 1.000	< 1.000	< 1.000
Potassium		S	1	1	>12.00	0	0.000	1.700	1.700	1.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.008	0.012
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	12.100	12.100	12.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	71.897	71.897	71.897
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	8.500	13.700	17.900
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	84	81		0	0.000	< 0.000	< 0.173	1.500
Total Coliforms	No./100ml	S	84	81	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	< 0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.059	0.086
Total Trihalomethanes	ug/l	I	12	13	>100.0	0	0.000	15.500	44.892	62.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	I	36	34	>4.00	0	0.000	< 0.100	< 0.417	1.300
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	6.900	10.875	21.500
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Lead, Oxidizability, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3309 - Jordanstown Printed On 27-AUG-2004 : Water Service									
: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 32700

This zone has a surface water source :R3316

PCV Exceedences:
 Sample failed 23-MAY-2002 (Z3309AE) Iron = 212.
 Sample failed 19-JUL-2002 (Z3309AE) Lead = 56.
 Sample failed 15-AUG-2002 (Z3309AE) Lead = 59.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	16.900	32.375	62.000
Ammonium	mg NH4/l	S	4	3	>0.50	0	0.000	< 0.000	< 0.014	0.041
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	12	>10.0	0	0.000	< 0.100	< 0.133	0.500
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	31.200	31.200	31.200
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.576	24.576	24.576
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.920	0.920	0.920
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S	24	28		0	0.000	0.000	8.857	212.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	28		0	0.000	0.000	2.179	45.000
Colour	mg/l Pt/C	S	4	4	>20.00	40	0.000	< 1.000	< 2.500	6.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	17.200	55.200	128.600
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	24	27	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 23.322	< 23.322	< 23.322
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	24	28		0	0.000	0.020	0.077	0.100
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3310 - Lough Mourne Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.910	7.378	7.680
Iron	ug Fe/l	S	4	4	>200	0	0.000	14.900	22.925	36.600
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0	< 2.633	21.620
MCPA	ug/l	I	12	5	>0.10	1	20.000	< 0.004	< 0.033	0.110
Magnesium		S	1	1	>50.00	0	0.000	10.700	10.700	10.700
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	24	28	>50.0	1	3.571	< 0.100	< 5.361	55.200
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.200	1.200	1.200
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	2.240	3.861	5.615
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.400	1.400	1.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	1.800	1.800	1.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	2.400	2.400	2.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.009	0.017
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	12.200	12.200	12.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	67.937	67.937	67.937
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	3	>25.0	0	0.000	7.200	11.867	14.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.325	0.400
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	24	28		0	0.000	0.080	0.161	0.250
Total Coliforms	No./100ml	S	24	27	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	12	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.072	0.137
Total Trihalomethanes	ug/l	S	4	11	>100.0	0	0.000	13.900	49.618	86.100
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	13.900	49.618	86.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.200	0.450	0.800
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	6.300	13.525	21.500
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Lead, MCPA, Manganese, Total PAH, Total Trihalomethanes

Water Supply Zone - Z3310 - Lough Mourne
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 5900

PCV Exceedences:

Sample failed 10-JUN-2002 (Z3310AE) MCPA = 0.11 ug/l.
 Sample failed 29-NOV-2002 (Z3310AE) Manganese = 55.

Notes:

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

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	S	4	3	>3.00	0	0.000	0.054	< 0.218	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	10	10	>200.0	0	0.000	17.700	38.920	72.900
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.050	0.462
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	0.006
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	11	>10.0	0	0.000	< 0.100	< 0.136	0.500
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	0.100	0.100	0.100
Calcium		S	1	1	>250.0	0	0.000	33.300	33.300	33.300
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.005	22.005	22.005
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.020	1.020	1.020
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	51		0	0.000	0.000	87.392	2136.00
Colony Counts 37 (48hrs)	No./l ml	S	52	51		0	0.000	0.000	0.490	5.000
Colour	mg/l Pt/C	S	10	10	>20.00	40	0.000	< 1.000	< 2.500	4.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	4.500	53.825	147.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	59	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.004	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 6.290	< 6.290	< 6.290
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	60	59		0	0.000	0.020	0.094	1.000
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.002	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.002	< 0.004

Water Supply Zone - Z3312 - Carrick Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	41	9.50	0	0.000	6.850	7.322	7.700
Iron	ug Fe/l	I	36	35	>200	1	2.857	< 5.200	< 48.711	333.200
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	11	>50.0	1	9.091	<0	< 17.014	50.980
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.025	0.060
Magnesium		S	1	1	>50.00	0	0.000	11.300	11.300	11.300
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 0.400	< 1.450	2.500
Mecoprop (MCCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.007	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	3.428	4.803	7.981
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.003	0.011
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	10	>5.00	0	0.000	1.100	2.448	4.780
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	50.000	50.000	50.000
Potassium		S	1	1	>12.00	0	0.000	5.400	5.400	5.400
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.008	0.011
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.900	11.900	11.900
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	65.429	65.429	65.429
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	36		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.900	12.558	16.400
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	59		0	0.000	0.040	0.189	1.000
Total Coliforms	No./100ml	S	60	56	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	10	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.076	0.127
Total Trihalomethanes	ug/l	S	4	11	>100.0	0	0.000	11.100	38.218	83.900
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	11.100	38.218	83.900
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.033	< 0.090
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.200	0.530	1.300
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	5.600	7.750	11.600
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Lead, Oxidizability, Total PAH, Total Trihalomethanes

Water Supply Zone - Z3312 - Carrick Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.		

Population of zone = 20700

This zone has a surface water source :R3316

PCV Exceedences:
 Sample failed 17-JUN-2002 (Z3312AE) Iron = 333.
 Sample failed 07-AUG-2002 (Z3312AE) Lead = 51.

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 6	6	>200.0	0	0.000	< 4.800	< 40.983	216.000
Ammonium	mg NH4/l	S 6	6	>0.50	0	0.000	< 0.000	< 0.003	0.020
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.028	0.050
Atrazine	ug/l	S 4	4	>0.10	0	0.000	0.013	0.024	0.034
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.275	0.800
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	37.000	37.000	37.000
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	26.032	26.032	26.032
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.930	0.930	0.930
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 48	47		0	0.000	0.000	5.426	113.000
Colony Counts 37 (48hrs)	No./l ml	S 48	47		0	0.000	0.000	2.617	70.000
Colour	mg/l Pt/C	S 6	6	>20.00	0	0.000	6.000	8.333	10.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	13.200	15.900	20.300
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 48	47	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	70.163	70.163	70.163
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S 48	47		0	0.000	0.020	0.112	0.300
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3313 - Poleglass Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	22	9.50	0	0.000	7.200	7.430	7.750
Iron	ug Fe/l	I	24	24	>200	0	0.000	< 1.900	< 30.871	105.600
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0	< 11.210	21.640
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	8.200	8.200	8.200
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	100	0.000	2.100	6.067	14.600
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	2.019	3.725	8.889
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.003	0.015
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	21		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.600	4.600	4.600
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	140.000	140.000	140.000
Potassium		S	1	1	>12.00	0	0.000	4.300	4.300	4.300
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.011	0.017	0.021
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.100	11.100	11.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	14.058	14.058	14.058
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	21		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	6.200	13.150	20.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.325	0.400
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	47		0	0.000	0.020	0.216	0.400
Total Coliforms	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.059	0.078
Total Trihalomethanes	ug/l	I	12	10	>100.0	8	80.000	6.900	116.582	171.700
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.625	0.700
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	24	24	>4.00	0	0.000	0.140	0.423	1.800
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.100	< 8.225	15.100
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3313 - Poleglass
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 19000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 25-SEP-2002 (Z3313AE) Total Trihalomethanes = 161.400.
 Sample failed 22-AUG-2002 (Z3313AE) Total Trihalomethanes = 134.200.
 Sample failed 20-MAY-2002 (Z3313AE) Total Trihalomethanes = 100.200.
 Sample failed 24-JAN-2002 (Z3313AE) Total Trihalomethanes = 103.800.
 Sample failed 29-MAY-2002 (Z3313AE) Total Trihalomethanes = 109.100.
 Sample failed 11-JUL-2002 (Z3313AE) Total Trihalomethanes = 171.700.
 Sample failed 26-JUL-2002 (Z3313AE) Total Trihalomethanes = 156.100.
 Sample failed 19-SEP-2002 (Z3313AE) Total Trihalomethanes = 150.800.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I 48	39	>200.0	0	0.000	< 3.400	<200.190	340.400
Ammonium	mg NH4/l	S 10	8	>0.50	0	0.000	< 0.000	< 0.002	0.010
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.200	0.500
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	5.800	5.800	5.800
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	13.693	13.693	13.693
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	43		0	0.000	0.000	18.884	400.000
Colony Counts 37 (48hrs)	No./l ml	S 52	43		0	0.000	0.000	26.442	1048.00
Colour	mg/l Pt/C	S 10	8	>20.00	0	0.000	2.000	6.886	11.090
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	7.800	113.025	401.200
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S 108	90	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	153.738	153.738	153.738
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 108	90		0	0.000	0.020	0.154	1.500
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3315 - Dundonald Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	60	50	9.50	0	0.000	6.250	7.033	8.950
Iron	ug Fe/l	I	48	39	>200	1	2.564	< 3.900	< 92.177	793.100
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.043	< 0.092
Lead	ug Pb/l	I	24	20	>50.0	2	10.000	< 0.120	< 15.646	187.600
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	8	>50.0	0	0.000	1.100	6.375	10.600
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	8	>50.00	0	0.000	1.287	5.890	32.463
Nitrite	mg NO2/l	S	10	8	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	10	8	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	49		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.800	4.800	4.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	60.000	60.000	60.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.200	5.200	5.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.440	3.440	3.440
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	8	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	49		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	8	>25.0	0	0.000	7.100	11.363	19.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	108	90		0	0.000	0.020	0.239	1.500
Total Coliforms	No./100ml	S	108	90	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.053	0.061
Total Trihalomethanes	ug/l	I	24	20	>100.0	15	75.000	78.100	114.100	175.900
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	< 0.015
Turbidity	FTU	S	10	8	>4.00	0	0.000	< 0.200	< 0.789	1.300
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	10.600	49.625	163.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Hydrogen Ion, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3315 - Dundonald
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 40500

PCV Exceedences:

Sample failed 15-MAY-2002 (Z3315AE) Iron = 793.
 Sample failed 04-SEP-2002 (Z3315AE) Lead = 188.
 Sample failed 20-AUG-2002 (Z3315AE) Lead = 55.
 Sample failed 02-MAY-2002 (Z3315AE) Total Trihalomethanes = 128.700.
 Sample failed 15-MAY-2002 (Z3315AE) Total Trihalomethanes = 122.600.
 Sample failed 06-JUN-2002 (Z3315AE) Total Trihalomethanes = 114.300.
 Sample failed 20-JUN-2002 (Z3315AE) Total Trihalomethanes = 119.800.
 Sample failed 17-JUL-2002 (Z3315AE) Total Trihalomethanes = 132.200.
 Sample failed 04-SEP-2002 (Z3315AE) Total Trihalomethanes = 119.900.
 Sample failed 14-MAY-2002 (Z3315AE) Total Trihalomethanes = 102.000.
 Sample failed 13-JUN-2002 (Z3315AE) Total Trihalomethanes = 138.500.
 Sample failed 19-JUL-2002 (Z3315AE) Total Trihalomethanes = 115.300.
 Sample failed 22-JUL-2002 (Z3315AE) Total Trihalomethanes = 102.200.
 Sample failed 22-AUG-2002 (Z3315AE) Total Trihalomethanes = 128.100.
 Sample failed 23-AUG-2002 (Z3315AE) Total Trihalomethanes = 121.600.
 Sample failed 30-AUG-2002 (Z3315AE) Total Trihalomethanes = 175.900.
 Sample failed 26-SEP-2002 (Z3315AE) Total Trihalomethanes = 129.900.
 Sample failed 09-DEC-2002 (Z3315AE) Total Trihalomethanes = 105.100.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I 36	34	>200.0	1	2.941	< 4.500	<244.847	<2609.80
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.003	< 0.013
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.100	0.100	< 0.100
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.150	< 0.300
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	7.100	7.100	7.100
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	14.631	14.631	14.631
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.530	0.530	< 0.530
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	50		0	0.000	0.000	13.780	620.000
Colony Counts 37 (48hrs)	No./l ml	S 52	50		0	0.000	0.000	0.980	28.000
Colour	mg/l Pt/C	S 10	10	>20.00	0	0.000	< 0.000	< 5.441	< 9.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	7.100	35.100	106.000
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S 72	66	>0	0	0.000	0.000	0.000	< 0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	140.506	140.506	140.506
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 72	67		0	0.000	0.020	0.080	0.400
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3316 - Purdysburn E1
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	39	9.50	0	0.000	6.540	7.061	8.310
Iron	ug Fe/l	I	36	34	>200	2	5.882	< 8.000	<113.504	1456.40
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	I	12	12	>50.0	4	33.333	<0	< 55.768	276.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.300	1.300	1.300
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	36	34	>50.0	1	2.941	1.800	18.415	397.900
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.801	8.442	34.256
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.003	0.031
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.700	4.700	4.700
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	1000.00	1000.00	1000.00
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.900	0.900	0.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	6.100	6.100	6.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	4.114	4.114	4.114
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.800	13.880	21.300
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	72	67		0	0.000	0.020	0.172	1.000
Total Coliforms	No./100ml	S	72	67	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	12	>100.0	4	33.333	47.500	101.732	174.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.200	0.846	2.200
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	8.100	10.333	14.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Lead, Manganese, Total Trihalomethanes

Water Supply Zone - Z3316 - Purdysburn E1
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 25100

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 13-MAR-2002 (Z3316AE) Aluminium = 2610.
 Sample failed 13-MAR-2002 (Z3316AE) Iron = 1456.
 Sample failed 04-NOV-2002 (Z3316AE) Iron = 347.
 Sample failed 10-MAY-2002 (Z3316AE) Lead = 132.
 Sample failed 13-MAY-2002 (Z3316AE) Lead = 276.
 Sample failed 15-AUG-2002 (Z3316AE) Lead = 56.
 Sample failed 04-NOV-2002 (Z3316AE) Lead = 83.
 Sample failed 13-MAR-2002 (Z3316AE) Manganese = 398.
 Sample failed 10-DEC-2002 (Z3316AE) Total Trihalomethanes = 100.600.
 Sample failed 25-JUL-2002 (Z3316AE) Total Trihalomethanes = 132.700.
 Sample failed 22-AUG-2002 (Z3316AE) Total Trihalomethanes = 141.400.
 Sample failed 28-NOV-2002 (Z3316AE) Total Trihalomethanes = 115.600.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	36	16	>200.0	500	0.000	22.500	201.225	362.700
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.003	0.014
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	7.500	7.500	7.500
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	14.190	14.190	14.190
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.440	0.440	0.440
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	50		0	0.000	0.000	9.300	225.000
Colony Counts 37 (48hrs)	No./l ml	S	52	50		0	0.000	0.000	0.620	6.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0.000	2.000	7.700	14.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	13.100	51.775	131.900
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	72	67	>0	1	1.493	0.000	0.030	2.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	177.329	177.329	177.329
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	72	67		0	0.000	0.020	0.104	1.000
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3317 - Purdysburn E2 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	41	9.50	0	0.000	6.350	6.935	8.500
Iron	ug Fe/l	I	36	34	>200	0	0.000	< 10.200	< 66.346	129.600
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	I	12	13	>50.0	3	23.077	< 0.530	< 52.501	309.600
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.200	1.200	1.200
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	1.300	7.820	12.600
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.805	2.332	3.900
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.001	< 0.010
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.600	2.600	2.600
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	810.000	810.000	810.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	6.100	6.100	6.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.895	2.895	2.895
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.900	12.600	19.400
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	72	67		0	0.000	0.040	0.188	1.200
Total Coliforms	No./100ml	S	72	67	>0	1	1.493	0.000	0.030	2.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	13	>100.0	9	69.231	67.100	115.569	183.900
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.200	< 0.850	1.500
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	7.200	13.075	18.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3317 - Purdysburn E2
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 25300

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 18-NOV-2002 (Z3317AE) E_Coli = 2.
 Sample failed 18-DEC-2002 (Z3317AE) Lead = 137.
 Sample failed 27-JUN-2002 (Z3317AE) Lead = 59.
 Sample failed 18-OCT-2002 (Z3317AE) Lead = 310.
 Sample failed 18-NOV-2002 (Z3317AE) Total Coliforms = 2.
 Sample failed 18-DEC-2002 (Z3317AE) Total Trihalomethanes = 106.400.
 Sample failed 19-SEP-2002 (Z3317AE) Total Trihalomethanes = 125.700.
 Sample failed 17-JUL-2002 (Z3317AE) Total Trihalomethanes = 132.200.
 Sample failed 18-JUN-2002 (Z3317AE) Total Trihalomethanes = 131.300.
 Sample failed 13-MAY-2002 (Z3317AE) Total Trihalomethanes = 103.300.
 Sample failed 22-MAY-2002 (Z3317AE) Total Trihalomethanes = 112.600.
 Sample failed 13-JUN-2002 (Z3317AE) Total Trihalomethanes = 183.900.
 Sample failed 27-JUN-2002 (Z3317AE) Total Trihalomethanes = 123.400.
 Sample failed 18-OCT-2002 (Z3317AE) Total Trihalomethanes = 161.600.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	10	>200.0	500	0.000	< 0.000	< 67.000	226.600
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.014	0.062
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	1.100	1.100	1.100
Asulam	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.040	0.070
Atrazine	ug/l	S 4	3	>0.10	0	0.000	0.014	0.022	0.034
Azinphos methyl	ug/l	S 4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	20.000	20.000	20.000
Bentazone	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	3	>10.0	0	0.000	< 0.100	< 0.167	0.300
Boron	ug B/l	S 1	1	>2000.0	0	0.000	16.000	16.000	16.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium	ug/l	S 1	1	>250.0	0	0.000	29.100	29.100	29.100
Chlorfenvinphos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	22.920	22.920	22.920
Chlorpropham	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.710	0.710	0.710
Clopyralid	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 52	48		0	0.000	0.000	2.479	61.000
Colony Counts 37 (48hrs)	No./1 ml	S 52	48		0	0.000	0.000	1.146	15.000
Colour	mg/l Pt/C	S 10	10	>20.00	35	0.000	1.000	6.940	12.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	< 0.100	< 47.150	125.500
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 72	63	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	111.386	111.386	111.386
Flutriafol	ug/l	S 4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 72	63		0	0.000	0.020	0.090	0.250
Gamma-HCH (Lindane)	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3318 - Purdysburn W1
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	37	9.50	0	0.000	6.080	7.371	8.150
Iron	ug Fe/l	I	36	33	>200	1	3.030	< 3.800	< 41.139	357.600
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	11	>50.0	1	9.091	< 0.190	< 11.136	68.220
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	13.500	13.500	13.500
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	200	0.000	0.600	6.770	21.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.007	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.180	2.290	4.350
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.002	0.016
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.900	2.900	2.900
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	110.000	110.000	110.000
Potassium		S	1	1	>12.00	0	0.000	2.500	2.500	2.500
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.015	0.019	0.021
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.700	11.700	11.700
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	15.322	15.322	15.322
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	37		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.600	12.250	21.200
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S	72	63		0	0.000	0.060	0.222	0.500
Total Coliforms	No./100ml	S	72	61	>0	1	1.639	0.000	0.016	1.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.078	0.103
Total Trihalomethanes	ug/l	I	12	11	>100.0	10	90.909	33.000	115.124	148.300
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	36	33	>4.00	0	0.000	< 0.000	< 0.481	3.900
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 4.500	< 11.950	21.100
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Lead, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3318 - Purdysburn W1
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 25150

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 18-JUL-2002 (Z3318AE) Iron = 358.
 Sample failed 20-AUG-2002 (Z3318AE) Lead = 68.
 Sample failed 16-DEC-2002 (Z3318AE) Total Coliforms = 1.
 Sample failed 20-AUG-2002 (Z3318AE) Total Trihalomethanes = 119.700.
 Sample failed 25-JUL-2002 (Z3318AE) Total Trihalomethanes = 118.200.
 Sample failed 26-JUN-2002 (Z3318AE) Total Trihalomethanes = 128.200.
 Sample failed 13-MAR-2002 (Z3318AE) Total Trihalomethanes = 138.260.
 Sample failed 03-MAY-2002 (Z3318AE) Total Trihalomethanes = 124.700.
 Sample failed 13-JUN-2002 (Z3318AE) Total Trihalomethanes = 126.100.
 Sample failed 29-MAY-2002 (Z3318AE) Total Trihalomethanes = 107.900.
 Sample failed 30-AUG-2002 (Z3318AE) Total Trihalomethanes = 148.300.
 Sample failed 20-NOV-2002 (Z3318AE) Total Trihalomethanes = 105.600.
 Sample failed 11-DEC-2002 (Z3318AE) Total Trihalomethanes = 116.400.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	9	>200.0	500	0.000	< 0.000	< 90.233	253.500
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.017	0.067
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.030	0.060
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.018	0.049
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	3.000	3.000	3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	6.600	6.600	6.600
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	13.349	13.349	13.349
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.620	0.620	0.620
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 52	45		0	0.000	0.000	4.289	104.000
Colony Counts 37 (48hrs)	No./1 ml	S 52	45		0	0.000	0.000	1.244	17.000
Colour	mg/l Pt/C	S 10	10	>20.00	35	0.000	0.900	5.219	8.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	9.600	49.400	101.000
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 72	64	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.036	< 0.083
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	155.151	155.151	155.151
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 72	64		0	0.000	0.020	0.097	0.400
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3319 - Purdysburn W2 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	34	9.50	0	0.000	6.480	7.358	7.910
Iron	ug Fe/l	I	36	31	>200	0	0.000	< 4.600	< 35.813	126.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	1	8.333	< 0.480	< 16.333	123.900
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.200	1.200	1.200
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	0	0.000	1.000	12.178	69.900
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	9	>50.00	0	0.000	1.220	6.230	41.013
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.003	0.016
Odour	Diln No	S	10	8	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	35		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.100	2.100	2.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	60.000	60.000	60.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.100	1.100	1.100
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.010	0.020
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.500	5.500	5.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.473	2.473	2.473
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	35		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.900	13.120	21.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	72	64		0	0.000	0.020	0.230	1.000
Total Coliforms	No./100ml	S	72	63	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.062	0.080
Total Trihalomethanes	ug/l	I	12	12	>100.0	4	33.333	32.000	95.436	177.200
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.625	0.700
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.090	0.389	1.000
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	10.000	20.550	48.000
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3319 - Purdysburn W2
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 25250

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 06-SEP-2002 (Z3319AE) Lead = 124.
 Sample failed 06-SEP-2002 (Z3319AE) Total Trihalomethanes = 156.200.
 Sample failed 10-JUN-2002 (Z3319AE) Total Trihalomethanes = 117.900.
 Sample failed 14-JUN-2002 (Z3319AE) Total Trihalomethanes = 147.900.
 Sample failed 11-JUL-2002 (Z3319AE) Total Trihalomethanes = 177.200.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I 36	33	>200.0	500	0.000	< 0.000	<117.115	< 270.500
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.004	< 0.015
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	< 0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.007	< 0.011
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	7.300	7.300	< 7.300
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	13.187	13.187	< 13.187
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	46		0	0.000	0.000	2.130	< 38.000
Colony Counts 37 (48hrs)	No./l ml	S 52	46		0	0.000	0.000	2.022	< 52.000
Colour	mg/l Pt/C	S 10	10	>20.00	35	0.000	2.000	6.184	< 10.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	6.300	9.425	< 14.600
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S 72	63	>0	0	0.000	0.000	0.000	< 0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	152.262	152.262	< 152.262
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 72	63		0	0.000	0.020	0.135	< 0.500
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3320 - Breda 1 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	42	40	9.50	0	0.000	6.430	7.220	8.330
Iron	ug Fe/l	I	36	33	>200	0	0.000	< 4.200	< 49.473	150.900
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.033	< 0.092
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0	< 9.210	40.060
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.015	0.040
Magnesium		S	1	1	>50.00	0	0.000	1.800	1.800	1.800
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	200	0.000	1.000	5.720	10.200
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.590	2.285	3.701
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.004	0.030
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	37		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.800	2.800	2.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 23.000	< 23.000	< 23.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.007	0.010
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.200	5.200	5.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	6.143	6.143	6.143
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	37		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	4.900	11.489	20.900
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfe	mg Cl/l	S	72	63		0	0.000	0.040	0.245	0.800
Total Coliforms	No./100ml	S	72	63	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.051	0.054
Total Trihalomethanes	ug/l	I	12	11	>100.0	9	81.818	71.200	116.527	155.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	< 0.015
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.100	0.800	1.700
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.700	< 8.825	14.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Hydrogen Ion, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3320 - Breda 1
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 26200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 07-MAY-2002 (Z3320AE) Total Trihalomethanes = 125.500.
 Sample failed 14-JUN-2002 (Z3320AE) Total Trihalomethanes = 147.600.
 Sample failed 10-JUL-2002 (Z3320AE) Total Trihalomethanes = 132.900.
 Sample failed 09-AUG-2002 (Z3320AE) Total Trihalomethanes = 155.600.
 Sample failed 13-NOV-2002 (Z3320AE) Total Trihalomethanes = 108.300.
 Sample failed 20-JUN-2002 (Z3320AE) Total Trihalomethanes = 125.400.
 Sample failed 21-JUN-2002 (Z3320AE) Total Trihalomethanes = 103.200.
 Sample failed 12-NOV-2002 (Z3320AE) Total Trihalomethanes = 115.300.
 Sample failed 20-NOV-2002 (Z3320AE) Total Trihalomethanes = 119.300.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I 36	35	>200.0	500	0.000	< 1.500	<107.548	315.400
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.019	0.086
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.008	0.011
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	13.000	13.000	13.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	23.700	23.700	23.700
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	20.171	20.171	20.171
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	1.300	1.300	1.300
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	49		0	0.000	0.000	0.837	12.000
Colony Counts 37 (48hrs)	No./l ml	S 52	49		0	0.000	0.000	0.490	10.000
Colour	mg/l Pt/C	S 10	10	>20.00	35	0.000	2.000	6.120	12.060
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	14.000	82.350	167.100
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S 72	69	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	94.241	94.241	94.241
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 72	69		0	0.000	0.020	0.117	0.500
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3321 - Breda 2										
Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	42	40	9.50	0	0.000	6.700	7.341	8.960
Iron	ug Fe/l	I	36	35	>200	2	5.714	< 2.300	< 67.030	386.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	I	12	11	>50.0	2	18.182	< 0.400	< 29.980	96.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.013	0.040
Magnesium		S	1	1	>50.00	0	0.000	5.900	5.900	5.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 0.000	< 5.090	11.900
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.166	2.041	2.963
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.003	0.030
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.650	3.650	3.650
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 6.000	< 6.000	< 6.000
Potassium		S	1	1	>12.00	0	0.000	2.700	2.700	2.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.008	0.011
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.100	9.100	9.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	12.327	12.327	12.327
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.200	12.910	20.800
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfe	mg Cl/l	S	72	69		0	0.000	0.040	0.255	1.000
Total Coliforms	No./100ml	S	72	69	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	11	>100.0	9	81.818	31.500	115.567	165.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.030	< 0.571	1.050
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	6.200	17.200	29.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Hydrogen Ion, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3321 - Breda 2
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 26300

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 01-NOV-2002 (Z3321AE) Iron = 211.
 Sample failed 30-OCT-2002 (Z3321AE) Iron = 386.
 Sample failed 23-MAY-2002 (Z3321AE) Lead = 54.
 Sample failed 12-DEC-2002 (Z3321AE) Lead = 96.
 Sample failed 13-MAR-2002 (Z3321AE) Total Trihalomethanes = 104.340.
 Sample failed 13-MAY-2002 (Z3321AE) Total Trihalomethanes = 134.100.
 Sample failed 20-MAY-2002 (Z3321AE) Total Trihalomethanes = 104.000.
 Sample failed 21-MAY-2002 (Z3321AE) Total Trihalomethanes = 127.800.
 Sample failed 23-MAY-2002 (Z3321AE) Total Trihalomethanes = 123.900.
 Sample failed 12-JUN-2002 (Z3321AE) Total Trihalomethanes = 121.900.
 Sample failed 09-AUG-2002 (Z3321AE) Total Trihalomethanes = 165.400.
 Sample failed 20-AUG-2002 (Z3321AE) Total Trihalomethanes = 130.900.
 Sample failed 23-OCT-2002 (Z3321AE) Total Trihalomethanes = 134.100.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I 36	35	>200.0	500	0.000	<0	<105.186	237.900
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.006	0.055
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	0.007	0.015	0.033
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	14.000	14.000	14.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	24.000	24.000	24.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	24.700	24.700	24.700
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	19.920	19.920	19.920
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.440	0.440	0.440
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	50		0	0.000	0.000	79.140	3600.00
Colony Counts 37 (48hrs)	No./l ml	S 52	50		0	0.000	0.000	5.320	108.000
Colour	mg/l Pt/C	S 10	10	>20.00	35	0.000	2.000	5.443	10.770
Copper	ug Cu/l	S 4	3	>3000.0	0	0.000	< 4.300	< 10.133	19.800
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S 72	70	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	89.609	89.609	89.609
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S 72	70		0	0.000	0.020	0.159	1.200
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3322 - Breda 3
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	40	9.50	0	0.000	6.360	7.338	8.180
Iron	ug Fe/l	I	36	35	>200	0	0.000	< 2.800	< 46.137	157.100
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	I	12	11	>50.0	2	18.182	< 0	< 13.575	59.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	0.007
Magnesium		S	1	1	>50.00	0	0.000	2.900	2.900	2.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	1.100	6.065	16.800
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.780	2.584	4.637
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	38		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.200	3.200	3.200
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 24.000	< 24.000	< 24.000
Potassium		S	1	1	>12.00	0	0.000	6.800	6.800	6.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.012	0.021
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.500	9.500	9.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	12.682	12.682	12.682
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	37		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.800	11.730	21.300
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfe	mg Cl/l	S	72	70		0	0.000	0.060	0.310	1.400
Total Coliforms	No./100ml	S	72	70	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.053	0.061
Total Trihalomethanes	ug/l	I	12	11	>100.0	5	45.455	43.300	103.056	141.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	< 0.015
Turbidity	FTU	I	36	35	>4.00	1	2.857	< 0.100	< 1.405	29.000
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	5.800	9.300	16.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Lead, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3322 - Breda 3
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 26250

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 23-OCT-2002 (Z3322AE) Lead = 52.
 Sample failed 16-OCT-2002 (Z3322AE) Lead = 59.
 Sample failed 23-OCT-2002 (Z3322AE) Total Trihalomethanes = 118.200.
 Sample failed 23-MAY-2002 (Z3322AE) Total Trihalomethanes = 106.400.
 Sample failed 22-MAY-2002 (Z3322AE) Total Trihalomethanes = 119.300.
 Sample failed 27-JUN-2002 (Z3322AE) Total Trihalomethanes = 132.200.
 Sample failed 21-AUG-2002 (Z3322AE) Total Trihalomethanes = 141.100.
 Sample failed 23-JUL-2002 (Z3322AE) Turbidity = 29.0.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I 36	35	>200.0	0	0.000	< 1.800	< 93.854	237.400
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.029	0.207
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	1.000	1.000	1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.033	0.070
Atrazine	ug/l	S 4	4	>0.10	0	0.000	0.010	0.021	0.033
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	21.000	21.000	21.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	8.100	8.100	8.100
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	13.478	13.478	13.478
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.680	0.680	0.680
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	51		0	0.000	0.000	4.471	120.000
Colony Counts 37 (48hrs)	No./l ml	S 52	51		0	0.000	0.000	1.118	24.000
Colour	mg/l Pt/C	S 10	10	>20.00	0	0.000	< 1.000	< 6.500	11.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	< 4.100	< 16.400	40.900
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S 72	70	>0	2	2.857	0.000	0.129	8.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	147.999	147.999	147.999
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 72	70		0	0.000	0.020	0.149	0.700
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	I 12	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3323 - Breda 4										
Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	40	9.50	0	0.000	6.440	7.350	7.800
Iron	ug Fe/l	I	36	35	>200	0	0.000	< 7.100	< 50.029	115.400
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.040	< 0.092
Lead	ug Pb/l	I	12	12	>50.0	2	16.667	< 0	< 24.364	106.400
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.000	0.008	0.010
Magnesium		S	1	1	>50.00	0	0.000	1.600	1.600	1.600
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	2.900	5.940	10.400
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.733	2.145	3.078
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.001	0.010
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	4	>5.00	1	25.000	1.120	2.935	5.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	50.000	50.000	50.000
Potassium		S	1	1	>12.00	0	0.000	1.000	1.000	1.000
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.011	0.017	0.021
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.400	5.400	5.400
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	4.130	4.130	4.130
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.200	11.880	21.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfe	mg Cl/l	S	72	70		0	0.000	0.060	0.284	1.000
Total Coliforms	No./100ml	S	72	70	>0	3	4.286	0.000	0.729	42.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.083	0.132
Total Trihalomethanes	ug/l	I	12	11	>100.0	8	72.727	82.200	129.657	161.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.400	0.791	1.400
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	6.900	12.375	22.000
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Glyphosate, Iron, Lead, Oxidizability, Total Trihalomethanes

Water Supply Zone - Z3323 - Breda 4
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 26300

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 31-OCT-2002 (Z3323AE) E_Coli = 1.
 Sample failed 20-NOV-2002 (Z3323AE) E_Coli = 8.
 Sample failed 11-APR-2002 (Z3323AE) Lead = 83.
 Sample failed 03-OCT-2002 (Z3323AE) Lead = 106.
 Sample failed 08-AUG-2002 (Z3323AE) Oxidizability = 5.8.
 Sample failed 24-JUN-2002 (Z3323AE) Total Coliforms = 42.
 Sample failed 31-OCT-2002 (Z3323AE) Total Coliforms = 1.
 Sample failed 20-NOV-2002 (Z3323AE) Total Coliforms = 8.
 Sample failed 02-MAY-2002 (Z3323AE) Total Trihalomethanes = 110.400.
 Sample failed 11-APR-2002 (Z3323AE) Total Trihalomethanes = 157.030.
 Sample failed 13-MAY-2002 (Z3323AE) Total Trihalomethanes = 123.900.
 Sample failed 13-JUN-2002 (Z3323AE) Total Trihalomethanes = 144.700.
 Sample failed 10-JUL-2002 (Z3323AE) Total Trihalomethanes = 149.800.
 Sample failed 06-AUG-2002 (Z3323AE) Total Trihalomethanes = 161.600.
 Sample failed 08-AUG-2002 (Z3323AE) Total Trihalomethanes = 152.300.
 Sample failed 03-OCT-2002 (Z3323AE) Total Trihalomethanes = 152.200.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	10	>200.0	0	0.000	< 1.600	< 13.630	33.600
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.008	0.031
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	1.800	1.800	1.800
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.038	0.080
Atrazine	ug/l	S 4	4	>0.10	0	0.000	0.011	0.021	0.032
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	14.000	14.000	14.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	35.000	35.000	35.000
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	22.215	22.215	22.215
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.990	0.990	0.990
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	51		0	0.000	0.000	4.176	101.000
Colony Counts 37 (48hrs)	No./l ml	S 52	51		0	0.000	0.000	8.980	150.000
Colour	mg/l Pt/C	S 10	10	>20.00	0	0.000	2.000	5.900	12.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	5.400	147.275	519.200
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 84	82	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	48.912	48.912	48.912
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 84	82		0	0.000	0.020	0.123	0.400
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	5	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3324 - Oldpark 1 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	39	9.50	0	0.000	6.810	7.539	8.180
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.600	< 14.350	27.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0.070	< 9.520	45.150
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	8.700	8.700	8.700
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	200	0.000	1.000	1.870	3.400
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	9	>50.00	0	0.000	1.759	2.270	4.690
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.007	0.017
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	36		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.300	3.300	3.300
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	104.000	104.000	104.000
Potassium		S	1	1	>12.00	0	0.000	3.700	3.700	3.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	3.900	3.900	3.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.012	0.019	0.028
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.500	11.500	11.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	29.027	29.027	29.027
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	36		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.300	13.320	19.600
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S	84	82		0	0.000	0.020	0.239	0.600
Total Coliforms	No./100ml	S	84	81	>0	1	1.235	0.000	0.012	1.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.073	0.100
Total Trihalomethanes	ug/l	I	12	12	>100.0	9	75.000	26.300	107.783	198.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.200	0.280	0.400
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	7.300	15.750	37.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Lead, Total Trihalomethanes

Water Supply Zone - Z3324 - Oldpark 1
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 34100

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 30-MAY-2002 (Z3324AE) Total Coliforms = 1.
 Sample failed 09-JUL-2002 (Z3324AE) Total Trihalomethanes = 130.100.
 Sample failed 08-AUG-2002 (Z3324AE) Total Trihalomethanes = 198.100.
 Sample failed 07-MAY-2002 (Z3324AE) Total Trihalomethanes = 127.800.
 Sample failed 06-JUN-2002 (Z3324AE) Total Trihalomethanes = 105.900.
 Sample failed 29-MAY-2002 (Z3324AE) Total Trihalomethanes = 103.700.
 Sample failed 12-JUN-2002 (Z3324AE) Total Trihalomethanes = 118.600.
 Sample failed 22-JUL-2002 (Z3324AE) Total Trihalomethanes = 108.200.
 Sample failed 25-JUL-2002 (Z3324AE) Total Trihalomethanes = 118.900.
 Sample failed 16-SEP-2002 (Z3324AE) Total Trihalomethanes = 120.700.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	10	>200.0	0	0.000	< 0	< 19.900	92.600
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.010	0.042
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.043	0.090
Atrazine	ug/l	S 4	4	>0.10	0	0.000	0.010	0.021	0.033
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	14.000	14.000	14.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.225	0.400
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	37.000	37.000	37.000
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	24.462	24.462	24.462
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.590	0.590	0.590
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	52		0	0.000	0.000	14.192	540.000
Colony Counts 37 (48hrs)	No./l ml	S 52	52		0	0.000	0.000	3.019	81.000
Colour	mg/l Pt/C	S 10	10	>20.00	0	0.000	2.000	6.250	12.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	28.800	81.400	101.600
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 84	82	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	36.087	36.087	36.087
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S 84	82		0	0.000	0.020	0.117	0.400
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3325 - Oldpark 2 Printed On 27-AUG-2004 : Water Service			: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	40	9.50	0	0.000	6.330	7.494	8.160
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 5.000	< 16.390	41.100
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0.150	< 3.798	15.480
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	8.400	8.400	8.400
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	200	0.000	< 0.300	< 2.380	5.300
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.221	2.558	4.370
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.006	0.013
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	3	25.000	3.010	4.181	6.200
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	171.000	171.000	171.000
Potassium		S	1	1	>12.00	0	0.000	4.400	4.400	4.400
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.900	0.900	0.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.012	0.017	0.021
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.500	11.500	11.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	14.652	14.652	14.652
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	39		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.200	12.780	18.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	0.100	0.100	0.100
Total - Residual disinfe	mg Cl/l	S	84	82		0	0.000	0.020	0.245	0.600
Total Coliforms	No./100ml	S	84	81	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.065	0.091
Total Trihalomethanes	ug/l	I	12	11	>100.0	8	72.727	26.300	118.618	180.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	36	36	>4.00	1	2.778	0.080	0.591	4.800
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.400	< 10.400	16.600
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Lead, Oxidizability, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3325 - Oldpark 2
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 34200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 23-AUG-2002 (Z3325AE) Oxidizability = 5.3.
 Sample failed 07-AUG-2002 (Z3325AE) Oxidizability = 6.2.
 Sample failed 28-AUG-2002 (Z3325AE) Oxidizability = 6.0.
 Sample failed 21-MAR-2002 (Z3325AE) Total Trihalomethanes = 116.700.
 Sample failed 19-SEP-2002 (Z3325AE) Total Trihalomethanes = 147.300.
 Sample failed 03-MAY-2002 (Z3325AE) Total Trihalomethanes = 113.300.
 Sample failed 20-JUN-2002 (Z3325AE) Total Trihalomethanes = 135.400.
 Sample failed 23-AUG-2002 (Z3325AE) Total Trihalomethanes = 132.800.
 Sample failed 22-JUL-2002 (Z3325AE) Total Trihalomethanes = 128.200.
 Sample failed 07-AUG-2002 (Z3325AE) Total Trihalomethanes = 180.100.
 Sample failed 28-AUG-2002 (Z3325AE) Total Trihalomethanes = 150.000.
 Sample failed 31-JAN-2002 (Z3325AE) Turbidity = 4.8.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 4	3	>200.0	500	0.000	< 8.900	<122.100	182.200
Ammonium	mg NH4/l	S 4	4	>0.50	0	0.000	< 0.000	< 0.003	0.007
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	1.400	1.400	1.400
Asulam	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	3	>0.10	0	0.000	< 0.005	< 0.006	0.008
Azinphos methyl	ug/l	S 4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	16.000	16.000	16.000
Bentazone	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	3	>10.0	0	0.000	< 0.100	< 0.167	0.300
Boron	ug B/l	S 1	1	>2000.0	0	0.000	22.000	22.000	22.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	6.800	6.800	6.800
Chlorfenvinphos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	11.198	11.198	11.198
Chlorpropham	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	1.460	1.460	1.460
Clopyralid	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 12	12		0	0.000	0.000	2.833	25.000
Colony Counts 37 (48hrs)	No./l ml	S 12	12		0	0.000	0.000	1.417	12.000
Colour	mg/l Pt/C	S 4	4	>20.00	40	0.000	4.000	8.578	12.000
Copper	ug Cu/l	S 4	3	>3000.0	0	0.000	22.600	70.467	136.300
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.041	< 0.083
Flumethrin	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	212.116	212.116	212.116
Flutriafol	ug/l	S 4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S 12	12		0	0.000	0.020	0.058	0.100
Gamma-HCH (Lindane)	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3326 - Hollywood 1 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	12	12	9.50	0	0.000	6.800	7.234	7.910
Iron	ug Fe/l	I	12	11	>200	0	0.000	< 3.900	< 46.740	86.843
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	11	>50.0	2	18.182	<0	< 28.848	153.200
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.300	1.300	1.300
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	3	>50.0	0	0.000	1.600	3.833	5.600
Mecoprop (MCCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.007	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.500	2.500	2.500
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	2.174	2.382	2.683
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	0	0.000	1.700	3.383	4.500
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 23.000	< 23.000	< 23.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	2.300	2.300	2.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.006	0.006
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	4.700	4.700	4.700
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	4.168	4.168	4.168
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	3	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	9.500	11.550	16.100
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	12		0	0.000	0.040	0.156	0.300
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	11	>100.0	5	45.455	61.000	110.582	185.000
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.300	1.038	1.700
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	< 2.500	< 11.567	22.200
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Hydrogen Ion, Iron, Lead, Oxidizability, Total Trihalomethanes

Water Supply Zone - Z3326 - Holywood 1
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 1550

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 10-APR-2002 (Z3326AE) Lead = 104.
 Sample failed 29-NOV-2002 (Z3326AE) Lead = 153.
 Sample failed 24-JUL-2002 (Z3326AE) Total Trihalomethanes = 158.600.
 Sample failed 22-MAY-2002 (Z3326AE) Total Trihalomethanes = 112.900.
 Sample failed 28-MAY-2002 (Z3326AE) Total Trihalomethanes = 120.800.
 Sample failed 23-JUL-2002 (Z3326AE) Total Trihalomethanes = 185.000.
 Sample failed 10-SEP-2002 (Z3326AE) Total Trihalomethanes = 125.200.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 4	3	>200.0	0	0.000	178.000	206.133	233.200
Ammonium	mg NH4/l	S 4	4	>0.50	0	0.000	< 0.000	< 0.008	0.025
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	3	>0.10	0	0.000	< 0.005	< 0.014	0.032
Azinphos methyl	ug/l	S 4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	3	>10.0	0	0.000	< 0.100	< 0.167	0.300
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	8.100	8.100	8.100
Chlorfenvinphos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	12.699	12.699	12.699
Chlorpropham	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 24	23		0	0.000	0.000	2.739	52.000
Colony Counts 37 (48hrs)	No./1 ml	S 24	23		0	0.000	0.000	0.609	6.000
Colour	mg/l Pt/C	S 4	4	>20.00	0	0.000	3.000	6.648	9.590
Copper	ug Cu/l	S 4	3	>3000.0	0	0.000	7.000	50.933	110.200
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 24	23	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	127.595	127.595	127.595
Flutriafol	ug/l	S 4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S 24	23		0	0.000	0.020	0.132	0.600
Gamma-HCH (Lindane)	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3327 - Hollywood 2
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	11	9.50	0	0.000	6.890	7.145	7.310
Iron	ug Fe/l	I	24	21	>200	0	0.000	< 4.700	< 50.978	120.500
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	11	>50.0	3	27.273	< 0.160	< 43.895	275.300
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.500	1.500	1.500
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	3	>50.0	0	0.000	5.500	7.600	10.400
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	1.846	2.305	2.606
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	10		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	0	0.000	1.700	3.339	4.850
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 18.000	< 18.000	< 18.000
Potassium		S	1	1	>12.00	0	0.000	1.000	1.000	1.000
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.010	0.021
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.100	5.100	5.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	5.044	5.044	5.044
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	3	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	10		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.600	11.125	15.900
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	0.300	0.300	0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.133	0.200
Total - Residual disinfe	mg Cl/l	S	24	23		0	0.000	0.080	0.303	1.000
Total Coliforms	No./100ml	S	24	22	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.051	0.053
Total Trihalomethanes	ug/l	I	12	11	>100.0	7	63.636	61.400	106.211	130.500
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.500	0.758	1.000
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	< 4.400	< 11.400	22.600
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Lead, Oxidizability, Total Trihalomethanes

Water Supply Zone - Z3327 - Hollywood 2
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 5650

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 06-SEP-2002 (Z3327AE) Lead = 91.
 Sample failed 29-MAY-2002 (Z3327AE) Lead = 73.
 Sample failed 16-SEP-2002 (Z3327AE) Lead = 275.
 Sample failed 06-SEP-2002 (Z3327AE) Total Trihalomethanes = 130.500.
 Sample failed 10-APR-2002 (Z3327AE) Total Trihalomethanes = 113.120.
 Sample failed 30-MAY-2002 (Z3327AE) Total Trihalomethanes = 114.500.
 Sample failed 16-SEP-2002 (Z3327AE) Total Trihalomethanes = 129.500.
 Sample failed 04-DEC-2002 (Z3327AE) Total Trihalomethanes = 123.500.
 Sample failed 10-DEC-2002 (Z3327AE) Total Trihalomethanes = 117.300.
 Sample failed 17-DEC-2002 (Z3327AE) Total Trihalomethanes = 117.800.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I	24	24	>200.0	500	0.000	147.400	227.671	334.900
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.016	0.062
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.035	< 0.056
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	5.800	5.800	5.800
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.019	< 0.030
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	13.325	13.325	13.325
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.008	0.010
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	24	24		0	0.000	0.000	1.708	12.000
Colony Counts 37 (48hrs)	No./l ml	S	24	24		0	0.000	0.000	1.000	16.000
Colour	mg/l Pt/C	I	24	24	>20.00	35	0.000	2.000	8.291	14.970
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.400	< 8.750	16.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.009	< 0.014
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.019	< 0.030
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.019	< 0.030
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	200.739	200.739	200.739
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	24	24		0	0.000	0.020	0.104	0.600
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3502 - Ballygowan Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	5.500	7.085	8.000
Iron	ug Fe/l	I	24	24	>200	1	4.167	57.100	89.663	201.200
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.610	< 1.528	2.620
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	0.900	0.900	0.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.026	< 0.042
Manganese	ug Mn/l	S	4	4	>50.0	200	0.000	5.600	7.050	9.800
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.838	2.032	2.242
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	11		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.900	2.900	2.900
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.016	< 0.026
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.021	< 0.034
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	0.006
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.500	5.500	5.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.245	3.245	3.245
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	11		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	7.500	12.050	20.600
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.325	0.400
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
Total - Residual disinfe	mg Cl/l	S	24	24		0	0.000	0.020	0.192	0.800
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	< 0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	10	>100.0	7	70.000	7.400	123.079	170.500
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	I	24	24	>4.00	0	0.000	0.500	0.853	1.400
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	6.400	10.400	21.200
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Colour, Iron, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3502 - Ballygowan
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 5200

PCV Exceedences:

Sample failed 11-APR-2002 (Z3502AE) Iron = 201.
 Sample failed 11-APR-2002 (Z3502AE) Total Trihalomethanes = 132.490.
 Sample failed 02-MAY-2002 (Z3502AE) Total Trihalomethanes = 148.200.
 Sample failed 13-SEP-2002 (Z3502AE) Total Trihalomethanes = 162.400.
 Sample failed 09-MAY-2002 (Z3502AE) Total Trihalomethanes = 159.000.
 Sample failed 21-MAY-2002 (Z3502AE) Total Trihalomethanes = 154.200.
 Sample failed 23-MAY-2002 (Z3502AE) Total Trihalomethanes = 170.500.
 Sample failed 24-OCT-2002 (Z3502AE) Total Trihalomethanes = 121.100.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	6	6	>200.0	500	0.000	208.000	224.767	259.700
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.003	0.019
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	0.100	0.100	0.100
Calcium		S	1	1	>250.0	0	0.000	7.000	7.000	7.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	16.571	16.571	16.571
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.970	0.970	0.970
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.833	0.833	13.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	12.646	524.000
Colour	mg/l Pt/C	S	6	6	>20.00	35	0.000	4.000	7.667	10.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 0.100	< 5.200	12.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	179.495	179.495	179.495
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	48		0	0.000	0.020	0.077	0.300
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3503 - Comber Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.420	7.290	8.740
Iron	ug Fe/l	I	24	24	>200	1	4.167	< 5.000	< 92.404	263.600
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.420	< 4.845	16.020
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	200	0.000	6.300	10.033	19.800
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.709	1.964	2.560
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.002	0.013
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	23		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.800	2.800	2.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.009	0.019
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	8.500	8.500	8.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.634	3.634	3.634
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	23		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	6.000	12.200	19.300
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	48		0	0.000	0.020	0.167	0.500
Total Coliforms	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	< 0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	12	>100.0	11	91.667	93.200	162.606	230.700
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	6	6	>4.00	0	0.000	0.700	0.800	1.100
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	7.700	8.600	10.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z3503 - Comber
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 10300

This zone has a surface water source :R3312

PCV Exceedences:

Sample failed 18-JUL-2002 (Z3503AE) Iron = 264.
 Sample failed 18-JUL-2002 (Z3503AE) Total Trihalomethanes = 172.100.
 Sample failed 14-MAR-2002 (Z3503AE) Total Trihalomethanes = 113.200.
 Sample failed 25-APR-2002 (Z3503AE) Total Trihalomethanes = 114.170.
 Sample failed 20-MAY-2002 (Z3503AE) Total Trihalomethanes = 150.300.
 Sample failed 07-JUN-2002 (Z3503AE) Total Trihalomethanes = 194.300.
 Sample failed 27-JUN-2002 (Z3503AE) Total Trihalomethanes = 213.600.
 Sample failed 25-JUL-2002 (Z3503AE) Total Trihalomethanes = 159.300.
 Sample failed 19-SEP-2002 (Z3503AE) Total Trihalomethanes = 214.800.
 Sample failed 26-SEP-2002 (Z3503AE) Total Trihalomethanes = 230.700.
 Sample failed 31-OCT-2002 (Z3503AE) Total Trihalomethanes = 135.400.
 Sample failed 05-DEC-2002 (Z3503AE) Total Trihalomethanes = 160.200.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 10	9	>200.0	0	0.000	63.300	131.044	230.400
Ammonium	mg NH4/l	S 10	9	>0.50	0	0.000	< 0.000	< 0.023	0.103
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	3	>0.10	0	0.000	< 0.005	< 0.006	0.007
Azinphos methyl	ug/l	S 4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	21.000	21.000	21.000
Bentazone	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	3	>10.0	0	0.000	< 0.100	< 0.133	0.200
Boron	ug B/l	S 1	1	>2000.0	0	0.000	16.000	16.000	16.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	48.600	48.600	48.600
Chlorfenvinphos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	17.935	17.935	17.935
Chlorpropham	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	1.580	1.580	1.580
Clopyralid	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 52	49		0	0.000	0.000	1.673	51.000
Colony Counts 37 (48hrs)	No./l ml	S 52	49		0	0.000	0.000	22.286	1015.00
Colour	mg/l Pt/C	S 10	9	>20.00	0	0.000	< 0.000	< 5.668	13.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	< 1.700	< 12.800	37.800
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 72	67	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	88.587	88.587	88.587
Flutriafol	ug/l	S 4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 72	67		0	0.000	0.020	0.106	0.800
Gamma-HCH (Lindane)	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3508 - Newtownards Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	38	9.50	0	0.000	6.840	7.786	8.400
Iron	ug Fe/l	I	36	34	>200	0	0.000	18.000	34.765	54.800
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.230	< 0.805	< 1.260
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	20.200	20.200	20.200
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	36	34	>50.0	200	0.000	1.200	3.862	10.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	7	>50.00	0	0.000	1.972	17.181	32.399
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	10	8	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	37		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.400	3.400	3.400
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	90.000	90.000	90.000
Potassium		S	1	1	>12.00	0	0.000	2.000	2.000	2.000
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.006	0.008
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	14.500	14.500	14.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	30.995	30.995	30.995
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	37		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	9.100	12.589	20.700
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	72	67		0	0.000	0.040	0.186	1.000
Total Coliforms	No./100ml	S	72	67	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	10	>100.0	5	50.000	63.400	100.240	128.300
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	8	>4.00	0	0.000	0.200	0.505	0.900
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 4.000	< 7.050	9.100
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Manganese, Total Trihalomethanes

Water Supply Zone - Z3508 - Newtownards Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 27639

This zone has a surface water source :R3302

PCV Exceedences:
 Sample failed 25-JUL-2002 (Z3508AE) Total Trihalomethanes = 121.500.
 Sample failed 19-JUN-2002 (Z3508AE) Total Trihalomethanes = 107.000.
 Sample failed 06-AUG-2002 (Z3508AE) Total Trihalomethanes = 128.300.
 Sample failed 27-AUG-2002 (Z3508AE) Total Trihalomethanes = 115.300.
 Sample failed 19-DEC-2002 (Z3508AE) Total Trihalomethanes = 117.300.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	12	10	>200.0	500	0.000	105.400	188.590	352.800
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.043	0.075
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.009
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.125	0.200
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	6.200	6.200	6.200
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.981	18.981	18.981
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.044	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	1.000	4.000
Colony Counts 37 (48hrs)	No./l ml	S	12	12		0	0.000	0.000	0.667	4.000
Colour	mg/l Pt/C	S	4	4	>20.00	35	0.000	4.320	6.830	8.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	9.100	84.475	294.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.034	< 0.090
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	0.090
E_Coli	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	130.740	130.740	130.740
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.020	0.098	0.300
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3509 - Craigantlet Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	3	9.50	0	0.000	6.960	7.147	7.440
Iron	ug Fe/l	I	12	10	>200	1	10.000	25.600	93.120	380.100
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0	< 1.505	2.850
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	12	10	>50.0	0	0.000	4.900	6.700	12.500
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.918	2.075	2.227
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	3	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.500	1.500	1.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	50.000	50.000	50.000
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.006	0.008
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.200	9.200	9.200
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.147	3.147	3.147
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	9.900	13.225	17.300
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>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	0.160	0.400
Total Coliforms	No./100ml	S	12	12	>0	1	8.333	0.000	1.500	18.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.060	0.090
Total Trihalomethanes	ug/l	I	12	7	>100.0	7	100.00	101.000	138.524	178.300
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	12	10	>4.00	0	0.000	0.400	0.748	1.700
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	7.800	17.700	35.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Manganese, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3509 - Craigantlet
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 2232

PCV Exceedences:

Sample failed 23-APR-2002 (Z3509AE) Iron = 380.
 Sample failed 23-APR-2002 (Z3509AE) Total Coliforms = 18.
 Sample failed 09-APR-2002 (Z3509AE) Total Trihalomethanes = 111.700.
 Sample failed 23-APR-2002 (Z3509AE) Total Trihalomethanes = 117.010.
 Sample failed 26-APR-2002 (Z3509AE) Total Trihalomethanes = 168.560.
 Sample failed 23-MAY-2002 (Z3509AE) Total Trihalomethanes = 101.000.
 Sample failed 22-JUL-2002 (Z3509AE) Total Trihalomethanes = 131.200.
 Sample failed 13-JUN-2002 (Z3509AE) Total Trihalomethanes = 178.300.
 Sample failed 19-NOV-2002 (Z3509AE) Total Trihalomethanes = 161.900.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I 48	42	>200.0	500	0.000	< 6.600	<202.574	296.000
Ammonium	mg NH4/l	S 10	9	>0.50	0	0.000	< 0.000	< 0.002	0.014
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S 4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	3	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	16.200	16.200	16.200
Chlorfenvinphos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	22.774	22.774	22.774
Chlorpropham	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.480	0.480	0.480
Clopyralid	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 52	45		0	0.000	0.000	4.400	80.000
Colony Counts 37 (48hrs)	No./1 ml	S 52	45		0	0.000	0.000	3.600	109.000
Colour	mg/l Pt/C	S 10	9	>20.00	35	0.000	2.000	6.938	10.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	< 0.500	< 1.650	< 3.200
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S 4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 120	98	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	116.540	116.540	116.540
Flutriafol	ug/l	S 4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S 120	98		0	0.000	0.020	0.172	1.000
Gamma-HCH (Lindane)	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3510 - North Down Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	60	52	9.50	0	0.000	7.070	7.638	8.930
Iron	ug Fe/l	I	48	42	>200	1	2.381	13.200	70.350	213.100
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	24	23	>50.0	0	0.000	< 0.160	< 3.279	37.280
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	5.500	5.500	5.500
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	9	>50.0	0	0.000	2.200	7.356	10.900
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	9	>50.00	0	0.000	1.971	5.459	9.921
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.004	0.022
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	50		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.750	4.750	4.750
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 26.000	< 26.000	< 26.000
Potassium		S	1	1	>12.00	0	0.000	1.000	1.000	1.000
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.000	10.000	10.000
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	11.553	11.553	11.553
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	49		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	10	9	>25.0	0	0.000	8.200	13.744	21.100
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	120	98		0	0.000	0.040	0.263	2.000
Total Coliforms	No./100ml	S	120	97	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	24	22	>100.0	16	72.727	20.700	136.514	220.200
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	9	>4.00	0	0.000	0.500	0.889	2.200
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	7.500	10.900	19.600
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3510 - North Down
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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

Population of zone = 46308

PCV Exceedences:

Sample failed 12-APR-2002 (Z3510AE) Iron = 213.
 Sample failed 10-OCT-2002 (Z3510AE) Total Trihalomethanes = 165.800.
 Sample failed 07-AUG-2002 (Z3510AE) Total Trihalomethanes = 181.800.
 Sample failed 24-JUL-2002 (Z3510AE) Total Trihalomethanes = 187.800.
 Sample failed 08-JUL-2002 (Z3510AE) Total Trihalomethanes = 102.000.
 Sample failed 08-MAY-2002 (Z3510AE) Total Trihalomethanes = 176.800.
 Sample failed 21-MAR-2002 (Z3510AE) Total Trihalomethanes = 121.000.
 Sample failed 09-MAY-2002 (Z3510AE) Total Trihalomethanes = 157.000.
 Sample failed 18-JUN-2002 (Z3510AE) Total Trihalomethanes = 196.900.
 Sample failed 25-JUL-2002 (Z3510AE) Total Trihalomethanes = 212.900.
 Sample failed 26-JUL-2002 (Z3510AE) Total Trihalomethanes = 197.500.
 Sample failed 30-JUL-2002 (Z3510AE) Total Trihalomethanes = 204.500.
 Sample failed 16-SEP-2002 (Z3510AE) Total Trihalomethanes = 220.200.
 Sample failed 10-DEC-2002 (Z3510AE) Total Trihalomethanes = 150.400.
 Sample failed 05-DEC-2002 (Z3510AE) Total Trihalomethanes = 146.000.
 Sample failed 18-DEC-2002 (Z3510AE) Total Trihalomethanes = 137.200.
 Sample failed 20-DEC-2002 (Z3510AE) Total Trihalomethanes = 125.800.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	24	>200.0	0	0.000	< 5.500	<164.565	347.600
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.000	< 0.000
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	11.000	11.000	11.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.167	0.300
Boron	ug B/l	S	1	1	>2000.0	0	0.000	12.000	12.000	12.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	6.400	6.400	6.400
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.954	18.954	18.954
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.280	1.280	1.280
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	42		0	0.000	0.000	10.595	183.000
Colony Counts 37 (48hrs)	No./l ml	S	48	42		0	0.000	0.000	1.190	10.000
Colour	mg/l Pt/C	I	24	24	>20.00	35	0.000	3.000	9.485	18.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 3.800	< 15.300	38.100
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	42	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	170.438	170.438	170.438
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S	48	43		0	0.000	0.020	0.147	0.800
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3511 - Ballyholme Printed On 27-AUG-2004 : Water Service			: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.940	7.489	9.400
Iron	ug Fe/l	I	24	24	>200	1	4.167	18.400	94.006	311.500
Isoproturon	ug/l	S	4	2	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0	< 8.043	33.050
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	200	0.000	4.000	7.100	9.700
Mecoprop (MCCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.000	2.000	2.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.770	2.096	2.507
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	21		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.400	3.400	3.400
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	50.000	50.000	50.000
Potassium		S	1	1	>12.00	0	0.000	1.000	1.000	1.000
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	8.600	8.600	8.600
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.458	3.458	3.458
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	21		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	5.100	12.900	16.400
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	43		0	0.000	0.060	0.224	1.000
Total Coliforms	No./100ml	S	48	41	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	12	>100.0	10	83.333	69.300	144.463	225.950
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	24	24	>4.00	0	0.000	0.200	0.989	3.600
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.000	< 13.450	37.000
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Colour, Iron, Lead, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3511 - Ballyholme
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 11863

This zone has a surface water source :R3329

PCV Exceedences:

Sample failed 15-MAY-2002 (Z3511AE) Iron = 312.
 Sample failed 17-JUL-2002 (Z3511AE) Total Trihalomethanes = 144.100.
 Sample failed 15-MAY-2002 (Z3511AE) Total Trihalomethanes = 103.700.
 Sample failed 29-MAR-2002 (Z3511AE) Total Trihalomethanes = 105.700.
 Sample failed 28-MAY-2002 (Z3511AE) Total Trihalomethanes = 183.300.
 Sample failed 09-JUL-2002 (Z3511AE) Total Trihalomethanes = 136.500.
 Sample failed 25-JUL-2002 (Z3511AE) Total Trihalomethanes = 214.400.
 Sample failed 10-SEP-2002 (Z3511AE) Total Trihalomethanes = 215.900.
 Sample failed 01-OCT-2002 (Z3511AE) Total Trihalomethanes = 225.950.
 Sample failed 04-DEC-2002 (Z3511AE) Total Trihalomethanes = 115.700.
 Sample failed 12-DEC-2002 (Z3511AE) Total Trihalomethanes = 134.400.

Notes:

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

Water Supply Zone - Z3512 - Ballysallagh 1
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S 4	3	>200.0	0	0.000	20.100	84.533	122.300
Ammonium	mg NH4/l	S 4	3	>0.50	0	0.000	< 0.000	< 0.014	0.041
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	12.000	12.000	12.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.275	0.800
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	0	>400.00	0	0			
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S 1	1	>50	0	0.000	1.120	1.120	1.120
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S 12	12		0	0.000	0.000	2.417	19.000
Colony Counts 37 (48hrs)	No./l ml	S 12	12		0	0.000	0.000	2.333	13.000
Colour	mg/l Pt/C	I 12	11	>20.00	0	0.000	1.000	8.095	18.000
Copper	ug Cu/l	S 4	3	>3000.0	0	0.000	9.900	30.967	44.800
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S 12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	0	>1500	0	0			
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S 12	12		0	0.000	0.020	0.073	0.100
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3512 - Ballysallagh 1 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	5	9.50	0	0.000	7.090	7.344	7.650
Iron	ug Fe/l	I	12	11	>200	0	0.000	51.800	80.864	129.400
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.033	< 0.092
Lead	ug Pb/l	I	12	11	>50.0	2	18.182	< 0.080	< 32.685	265.700
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	3	>50.0	0	0.000	4.900	13.233	29.300
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.010	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.000	2.000	2.000
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	2.407	4.748	9.025
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	3	>3	4	0	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.008	0.010
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.200	1.200	1.200
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.007	0.014
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	3	>3	4	0	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	3	>25.0	0	0.000	13.300	15.600	17.900
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.080	0.178	0.300
Total Coliforms	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	10	>100.0	7	70.000	76.000	129.790	184.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	3	>4.00	0	0.000	0.500	0.733	0.900
Zinc	ug Zn/l	S	4	3	>5000	0	0.000	< 5.100	< 30.200	66.900
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Colour, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3512 - Ballysallagh 1
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 4607

This zone has a surface water source :R3501

PCV Exceedences:

Sample failed 08-MAR-2002 (Z3512AE) Lead = 51.
 Sample failed 06-AUG-2002 (Z3512AE) Lead = 266.
 Sample failed 25-JUN-2002 (Z3512AE) Total Trihalomethanes = 148.900.
 Sample failed 25-JAN-2002 (Z3512AE) Total Trihalomethanes = 115.700.
 Sample failed 15-MAY-2002 (Z3512AE) Total Trihalomethanes = 171.700.
 Sample failed 13-MAY-2002 (Z3512AE) Total Trihalomethanes = 100.300.
 Sample failed 28-MAY-2002 (Z3512AE) Total Trihalomethanes = 184.600.
 Sample failed 23-JUL-2002 (Z3512AE) Total Trihalomethanes = 157.800.
 Sample failed 06-AUG-2002 (Z3512AE) Total Trihalomethanes = 158.700.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	12	4	>200.0	0	0.000	135.400	234.025	307.300
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.000	< 0.001
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	0	>250.0	0	0			
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	0.250	1.000
Colony Counts 37 (48hrs)	No./l ml	S	12	12		0	0.000	0.000	0.917	5.000
Colour	mg/l Pt/C	I	12	12	>20.00	35	0.000	< 1.000	< 8.120	15.000
Copper	ug Cu/l	S	4	3	>3000.0	0	0.000	< 1.000	< 30.567	86.100
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.040	< 0.090
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	0.090
E_Coli	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.040	0.190	0.500
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Water Supply Zone - Z3513 - Ballysallagh 2 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	7.290	7.580	7.930
Iron	ug Fe/l	I	12	11	>200	1	9.091	13.800	75.109	208.300
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.037	< 0.092
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0	< 2.847	12.850
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	0	>50.00	0	0			
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	12	11	>50.0	200	0.000	1.500	13.855	49.900
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.007	0.010
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.956	3.831	9.080
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	3	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	11	>5.00	0	0.000	1.700	3.111	4.400
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	4	2	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Temperature	Deg C	S	4	3	>25.0	0	0.000	8.400	12.667	15.400
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.100	0.317	0.700
Total Coliforms	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.063	0.090
Total Trihalomethanes	ug/l	I	12	10	>100.0	10	100.00	101.100	155.616	210.200
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Turbidity	FTU	S	4	3	>4.00	0	0.000	0.700	0.833	1.000
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	5.600	9.050	11.000
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.005	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Colour, Iron, Lead, Manganese, Oxidizability, Total Trihalomethanes

Water Supply Zone - Z3513 - Ballysallagh 2
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 1373

This zone has a surface water source :R3501

PCV Exceedences:

Sample failed 04-SEP-2002 (Z3513AE) Iron = 208.
 Sample failed 08-MAY-2002 (Z3513AE) Total Trihalomethanes = 165.400.
 Sample failed 04-JUL-2002 (Z3513AE) Total Trihalomethanes = 208.800.
 Sample failed 05-MAR-2002 (Z3513AE) Total Trihalomethanes = 154.400.
 Sample failed 08-MAR-2002 (Z3513AE) Total Trihalomethanes = 119.700.
 Sample failed 05-APR-2002 (Z3513AE) Total Trihalomethanes = 139.264.
 Sample failed 28-MAY-2002 (Z3513AE) Total Trihalomethanes = 116.300.
 Sample failed 11-JUN-2002 (Z3513AE) Total Trihalomethanes = 101.100.
 Sample failed 28-AUG-2002 (Z3513AE) Total Trihalomethanes = 210.200.
 Sample failed 04-SEP-2002 (Z3513AE) Total Trihalomethanes = 202.500.
 Sample failed 19-NOV-2002 (Z3513AE) Total Trihalomethanes = 138.500.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	11	>200.0	500	0.000	< 5.100	<158.518	289.100
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.007	0.039
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	1.200	1.200	1.200
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	0.007	0.008	0.009
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	17.000	17.000	17.000
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.233	0.400
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	6.200	6.200	6.200
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	16.529	16.529	16.529
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.008	0.010
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.620	0.620	0.620
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	43		0	0.000	0.000	14.233	486.000
Colony Counts 37 (48hrs)	No./l ml	S	48	43		0	0.000	0.000	2.256	42.000
Colour	mg/l Pt/C	I	24	23	>20.00	35	0.000	1.000	6.958	16.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	6.900	28.500	66.100
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	43	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.070	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	190.620	190.620	190.620
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	43		0	0.000	0.020	0.106	1.000
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3514 - Crawfordsburn Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	23	9.50	0	0.000	7.270	7.555	8.250
Iron	ug Fe/l	I	24	23	>200	0	0.000	< 3.000	< 59.339	149.000
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	11	>50.0	0	0.000	< 0.000	< 0.765	< 1.350
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	24	23	>50.0	200	0.000	0.600	7.543	19.300
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.419	1.987	2.394
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.004	0.017
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	23		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.700	2.700	2.700
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 0.000	< 0.000	< 0.000
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.600	1.600	1.600
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	3	>0.100	0	0.000	0.012	0.016	0.018
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	8.500	8.500	8.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.886	3.886	3.886
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	23		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	6.800	11.867	19.200
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.133	0.200
Total - Residual disinfe	mg Cl/l	S	48	43		0	0.000	0.040	0.245	1.000
Total Coliforms	No./100ml	S	48	43	>0	3	6.977	0.000	0.535	16.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.023	0.030
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	11	>100.0	10	90.909	97.600	152.992	204.000
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.100	< 0.900	2.300
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.600	< 6.650	13.900
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Colour, Iron, Lead, Manganese, Total Trihalomethanes

Water Supply Zone - Z3514 - Crawfordsburn
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 16136

PCV Exceedences:

Sample failed 03-SEP-2002 (Z3514AE) Total Coliforms = 16.
 Sample failed 26-JUL-2002 (Z3514AE) Total Coliforms = 5.
 Sample failed 13-AUG-2002 (Z3514AE) Total Coliforms = 2.
 Sample failed 18-DEC-2002 (Z3514AE) Total Trihalomethanes = 154.300.
 Sample failed 07-AUG-2002 (Z3514AE) Total Trihalomethanes = 159.300.
 Sample failed 10-JUL-2002 (Z3514AE) Total Trihalomethanes = 134.600.
 Sample failed 09-MAY-2002 (Z3514AE) Total Trihalomethanes = 157.200.
 Sample failed 23-APR-2002 (Z3514AE) Total Trihalomethanes = 157.210.
 Sample failed 16-MAY-2002 (Z3514AE) Total Trihalomethanes = 197.500.
 Sample failed 13-JUN-2002 (Z3514AE) Total Trihalomethanes = 125.200.
 Sample failed 18-JUN-2002 (Z3514AE) Total Trihalomethanes = 204.000.
 Sample failed 09-JUL-2002 (Z3514AE) Total Trihalomethanes = 130.700.
 Sample failed 23-JUL-2002 (Z3514AE) Total Trihalomethanes = 165.300.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S 4	4	>200.0	500	0.000	19.500	22.275	27.600
Ammonium	mg NH4/l	S 4	4	>0.50	0	0.000	< 0.000	< 0.028	0.088
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	1.000	1.000	1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	0.020	0.020	0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	21.000	21.000	21.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	22.000	22.000	22.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	54.600	54.600	54.600
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	46.026	46.026	46.026
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.800	0.800	0.800
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	0.020	0.020	0.020
Colony Counts 22	No./1 ml	S 24	24		0	0.000	0.000	0.708	4.000
Colony Counts 37 (48hrs)	No./1 ml	S 24	24		0	0.000	0.000	0.750	10.000
Colour	mg/l Pt/C	S 4	4	>20.00	35	0.000	1.270	3.318	7.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	6.400	78.625	150.900
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	27.531	27.531	27.531
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 24	24		0	0.000	0.020	0.165	0.700
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3515 - South Ards Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	10	9.50	0	0.000	7.180	7.281	7.400
Iron	ug Fe/l	I	24	24	>200	0	0.000	< 0.600	< 32.688	160.900
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0	< 0.815	3.900
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	5.700	5.700	5.700
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	200	0.000	1.600	5.675	14.300
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	2.537	15.218	20.623
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	11		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.000	2.000	2.000
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 0.000	< 0.000	< 0.000
Potassium		S	1	1	>12.00	0	0.000	3.700	3.700	3.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	2.000	2.000	2.000
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.005	0.005	0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	20.100	20.100	20.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	54.283	54.283	54.283
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	10		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	3	>25.0	0	0.000	7.300	8.900	10.400
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	24	24		0	0.000	0.100	0.308	0.900
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	< 0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	11	>100.0	3	27.273	13.800	76.874	127.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	3	>4.00	0	0.000	0.300	0.433	0.700
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.700	< 25.200	65.100
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z3515 - South Ards Printed On 27-AUG-2004 : Water Service									
: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 5959

This zone has a surface water source :R3505

PCV Exceedences:
 Sample failed 11-JUN-2002 (Z3515AE) Total Trihalomethanes = 112.800.
 Sample failed 26-JUN-2002 (Z3515AE) Total Trihalomethanes = 117.900.
 Sample failed 02-SEP-2002 (Z3515AE) Total Trihalomethanes = 127.600.

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S 6	6	>200.0	500	0.000	150.900	190.117	305.500
Ammonium	mg NH4/l	S 6	6	>0.50	0	0.000	< 0.000	< 0.001	< 0.003
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	6.000	6.000	6.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I 12	11	>10.0	0	0.000	< 0.100	< 0.218	1.200
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	7.900	7.900	7.900
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	17.892	17.892	17.892
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 48	46		0	0.000	0.000	41.565	1516.00
Colony Counts 37 (48hrs)	No./1 ml	S 48	46		0	0.000	0.000	> 48.739	>2000.00
Colour	mg/l Pt/C	S 6	6	>20.00	35	0.000	2.000	5.333	9.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	< 1.100	< 11.050	20.400
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 48	46	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	161.073	161.073	161.073
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 48	46		0	0.000	0.020	0.083	0.300
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3516 - Mid Ards Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	23	9.50	0	0.000	7.050	7.420	7.800
Iron	ug Fe/l	I	24	23	>200	0	0.000	18.700	93.648	181.200
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.230	< 0.560	< 1.120
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.500	1.500	1.500
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	200	0.000	4.900	9.967	31.400
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.836	3.115	5.924
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	20		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.900	2.900	2.900
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	60.000	60.000	60.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	8.800	8.800	8.800
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.923	3.923	3.923
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	20		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	6.000	11.333	15.900
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.325	0.400
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	46		0	0.000	0.020	0.143	0.500
Total Coliforms	No./100ml	S	48	45	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	11	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	10	>100.0	10	100.00	131.700	171.110	215.700
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Turbidity	FTU	S	6	6	>4.00	0	0.000	0.600	0.950	1.200
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 4.600	< 8.550	11.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Benzo 3 4 pyrene, Iron, Total PAH, Total Trihalomethanes

Water Supply Zone - Z3516 - Mid Ards
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 12014

PCV Exceedences:

Sample failed 21-AUG-2002 (Z3516AE) Total Trihalomethanes = 190.100.
 Sample failed 20-MAY-2002 (Z3516AE) Total Trihalomethanes = 183.100.
 Sample failed 05-MAR-2002 (Z3516AE) Total Trihalomethanes = 144.500.
 Sample failed 04-MAR-2002 (Z3516AE) Total Trihalomethanes = 148.100.
 Sample failed 13-MAY-2002 (Z3516AE) Total Trihalomethanes = 131.700.
 Sample failed 10-JUN-2002 (Z3516AE) Total Trihalomethanes = 146.000.
 Sample failed 17-JUN-2002 (Z3516AE) Total Trihalomethanes = 200.000.
 Sample failed 07-AUG-2002 (Z3516AE) Total Trihalomethanes = 197.000.
 Sample failed 28-AUG-2002 (Z3516AE) Total Trihalomethanes = 215.700.
 Sample failed 02-DEC-2002 (Z3516AE) Total Trihalomethanes = 154.900.

Notes:

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

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	S	4	3	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	3	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	24	>200.0	0	0.000	151.400	221.709	284.800
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.006	0.022
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	3	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.200	0.400
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	1	>250.0	0	0.000	5.400	5.400	5.400
Chlorfenvinphos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	13.236	13.236	13.236
Chlorpropham	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.027	0.040
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	2.542	70.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	0.688	7.000
Colour	mg/l Pt/C	I	24	24	>20.00	0	0.000	3.000	8.660	16.450
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 0.600	< 33.050	88.000
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	3	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	3	>0.10	0	0.000	< 0.007	< 0.035	< 0.090
E_Coli	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	3	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	3	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	188.783	188.783	188.783
Flutriafol	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.020	0.115	0.800
Gamma-HCH (Lindane)	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	3	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3604 - Crossgar Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.480	7.273	8.470
Iron	ug Fe/l	I	24	24	>200	1	4.167	50.400	92.678	327.800
Isoproturon	ug/l	S	4	3	>0.10	0	0.000	< 0.009	< 0.037	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.850	< 7.498	26.540
MCPA	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	0.800	0.800	0.800
Malathion	ug/l	S	4	3	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	I	24	24	>50.0	200	0.000	2.900	8.715	19.000
Mecoprop (MCP)	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.007	0.010
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.893	2.062	2.230
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.700	2.700	2.700
Parathion	ug/l	S	4	3	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	3	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	610.000	610.000	610.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	3	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	I	12	9	>0.100	0	0.000	< 0.005	< 0.008	< 0.020
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.300	5.300	5.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	2.292	2.292	2.292
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	3	>0.10	0	0.000	< 0.002	< 0.007	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	8.700	11.967	17.500
Terbutryne	ug/l	S	4	3	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	3	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	3	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	48		0	0.000	0.020	0.193	1.200
Total Coliforms	No./100ml	S	48	48	>0	1	2.083	0.000	0.250	12.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	3	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	13	>100.0	11	84.615	73.380	124.617	170.000
Trichloroethene	ug/l	S	4	3	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	3	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	I	24	24	>4.00	0	0.000	0.600	1.102	2.300
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	7.300	9.550	14.500
op-DDT	ug/l	S	4	3	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Colour, Iron, Manganese, Simazine, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3604 - Crossgar
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 18900

PCV Exceedences:

Sample failed 30-JUL-2002 (Z3604AE) Iron = 328.
 Sample failed 10-DEC-2002 (Z3604AE) Total Coliforms = 12.
 Sample failed 03-SEP-2002 (Z3604AE) Total Trihalomethanes = 136.600.
 Sample failed 09-APR-2002 (Z3604AE) Total Trihalomethanes = 131.200.
 Sample failed 14-MAY-2002 (Z3604AE) Total Trihalomethanes = 101.500.
 Sample failed 26-APR-2002 (Z3604AE) Total Trihalomethanes = 107.990.
 Sample failed 01-MAY-2002 (Z3604AE) Total Trihalomethanes = 170.000.
 Sample failed 19-JUN-2002 (Z3604AE) Total Trihalomethanes = 150.500.
 Sample failed 23-JUL-2002 (Z3604AE) Total Trihalomethanes = 156.300.
 Sample failed 30-JUL-2002 (Z3604AE) Total Trihalomethanes = 122.500.
 Sample failed 09-AUG-2002 (Z3604AE) Total Trihalomethanes = 139.800.
 Sample failed 27-SEP-2002 (Z3604AE) Total Trihalomethanes = 105.200.
 Sample failed 03-DEC-2002 (Z3604AE) Total Trihalomethanes = 142.600.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.006	< 0.010
Aluminium	ug Al/l	I	24	12	>200.0	500	0.000	193.200	255.575	351.600
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.010	0.036
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.010
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.035	< 0.056
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	3	>10.0	0	0.000	< 0.100	< 0.633	1.200
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	5.300	5.300	5.300
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.019	< 0.030
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	11.480	11.480	11.480
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.620	0.620	0.620
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	48		0	0.000	0.000	4.917	100.000
Colony Counts 37 (48hrs)	No./l ml	S	48	48		0	0.000	0.000	3.104	137.000
Colour	mg/l Pt/C	S	6	6	>20.00	35	0.000	8.000	13.167	20.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 0.000	< 4.425	9.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.030	< 0.090
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.010	< 0.016
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.019	< 0.030
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.008
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	48	48	>0	1	2.083	0.000	0.208	10.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.014
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.007	< 0.012
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.019	< 0.030
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.025	< 0.040
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	191.430	191.430	191.430
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.026	< 0.042
Free - Residual disinfectmg	Cl/l	S	48	48		0	0.000	0.020	0.075	0.400
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.005	< 0.010
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.008

Water Supply Zone - Z3607 - Mourne Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	24	24	9.50	4	16.667	5.450	7.466	9.970
Iron	ug Fe/l	I	24	24	>200	1	4.167	44.400	92.250	259.100
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	1	8.333	< 0.250	< 5.090	51.500
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	0.700	0.700	0.700
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.026	< 0.042
Manganese	ug Mn/l	S	6	6	>50.0	0	0.000	6.700	11.767	26.100
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.466	1.925	2.412
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.002	0.013
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	23		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.300	3.300	3.300
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.016	< 0.026
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.021	< 0.034
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.100	1.100	1.100
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.006	< 0.010
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.100	5.100	5.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.904	3.904	3.904
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	23		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.011	< 0.020
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.100	11.850	16.100
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	48		0	0.000	0.020	0.151	0.600
Total Coliforms	No./100ml	S	48	48	>0	1	2.083	0.000	0.208	10.000
Total PAH	ug/l	S	4	3	>0.20	0	0.000	< 0.020	< 0.040	0.060
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	12	>100.0	4	33.333	32.750	77.947	155.300
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	< 0.010
Turbidity	FTU	S	6	6	>4.00	0	0.000	0.600	1.333	2.500
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	10.100	13.600	20.100
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.007	< 0.012
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.006	< 0.010

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Hydrogen Ion, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3607 - Mourne
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 17200

PCV Exceedences:

Sample failed 22-JUL-2002 (Z3607AE) E_Coli = 10.
 Sample failed 23-DEC-2002 (Z3607AE) Hydrogen Ion = 5.45.
 Sample failed 20-MAR-2002 (Z3607AE) Hydrogen Ion = 9.70.
 Sample failed 13-MAY-2002 (Z3607AE) Hydrogen Ion = 9.97.
 Sample failed 27-MAY-2002 (Z3607AE) Hydrogen Ion = 9.70.
 Sample failed 02-SEP-2002 (Z3607AE) Iron = 259.
 Sample failed 02-SEP-2002 (Z3607AE) Lead = 52.
 Sample failed 22-JUL-2002 (Z3607AE) Total Coliforms = 10.
 Sample failed 23-MAY-2002 (Z3607AE) Total Trihalomethanes = 106.600.
 Sample failed 02-SEP-2002 (Z3607AE) Total Trihalomethanes = 100.800.
 Sample failed 28-AUG-2002 (Z3607AE) Total Trihalomethanes = 109.500.
 Sample failed 09-SEP-2002 (Z3607AE) Total Trihalomethanes = 155.300.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	36	17	>200.0	500	0.000	170.800	256.635	418.900
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.004	0.023
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.400	1.200
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	5.200	5.200	5.200
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	12.296	12.296	12.296
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.590	0.590	0.590
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	327.712	14304.0
Colony Counts 37 (48hrs)	No./l ml	S	52	52		0	0.000	0.000	13.000	386.000
Colour	mg/l Pt/C	I	36	36	>20.00	35	0.000	1.000	9.689	20.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 2.200	< 11.650	30.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	60	63	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	210.259	210.259	210.259
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	60	63		0	0.000	0.010	0.239	1.000
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3608 - Mid Down Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	42	9.50	1	2.381	6.400	7.333	10.100
Iron	ug Fe/l	I	36	35	>200	2	5.714	< 3.700	<101.087	697.400
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0.130	< 2.806	17.980
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	0.800	0.800	0.800
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	3.800	8.043	15.100
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.100	< 0.100	< 0.100
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.724	2.250	4.535
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.001	0.005
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.700	2.700	2.700
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.000	1.000	1.000
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.600	5.600	5.600
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	6.518	6.518	6.518
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	41		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.500	11.470	17.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	60	63		0	0.000	0.020	0.369	1.000
Total Coliforms	No./100ml	S	60	63	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	12	>100.0	11	91.667	85.440	140.979	216.000
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	< 0.015
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.600	0.845	1.200
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.600	< 6.650	10.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Colour, Iron, Lead, Total Trihalomethanes

Water Supply Zone - Z3608 - Mid Down
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 22800

PCV Exceedences:

Sample failed 21-AUG-2002 (Z3608AE) Hydrogen Ion = 10.10.
 Sample failed 15-OCT-2002 (Z3608AE) Iron = 206.
 Sample failed 10-APR-2002 (Z3608AE) Iron = 697.
 Sample failed 15-OCT-2002 (Z3608AE) Total Trihalomethanes = 161.800.
 Sample failed 17-JUL-2002 (Z3608AE) Total Trihalomethanes = 152.100.
 Sample failed 20-MAR-2002 (Z3608AE) Total Trihalomethanes = 114.680.
 Sample failed 26-MAR-2002 (Z3608AE) Total Trihalomethanes = 160.500.
 Sample failed 24-APR-2002 (Z3608AE) Total Trihalomethanes = 168.530.
 Sample failed 14-MAY-2002 (Z3608AE) Total Trihalomethanes = 148.900.
 Sample failed 29-MAY-2002 (Z3608AE) Total Trihalomethanes = 106.800.
 Sample failed 26-JUL-2002 (Z3608AE) Total Trihalomethanes = 141.300.
 Sample failed 21-AUG-2002 (Z3608AE) Total Trihalomethanes = 216.000.
 Sample failed 22-OCT-2002 (Z3608AE) Total Trihalomethanes = 123.000.
 Sample failed 04-NOV-2002 (Z3608AE) Total Trihalomethanes = 112.700.

Notes:

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

Water Supply Zone - Z3701 - Saintfield Hillsborough
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S 10	10	>200.0	0	0.000	152.800	236.331	314.600
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.007	0.036
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	5.200	5.200	5.200
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	14.019	14.019	14.019
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 52	52		0	0.000	0.000	2.173	33.000
Colony Counts 37 (48hrs)	No./1 ml	S 52	52		0	0.000	0.000	3.923	108.000
Colour	mg/l Pt/C	S 10	10	>20.00	0	0.000	6.000	9.860	14.600
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	< 0.600	< 60.900	217.200
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 84	84	>0	1	1.190	0.000	0.214	18.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	193.318	193.318	193.318
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 84	84		0	0.000	0.020	0.092	0.700
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3701 - Saintfield Hillsborough Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	42	42	9.50	0	0.000	6.370	7.085	8.360
Iron	ug Fe/l	I	36	36	>200	0	0.000	17.000	73.428	128.400
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	4	>50.0	1	25.000	< 0.470	< 44.675	174.500
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	0.900	0.900	0.900
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	2.614	7.721	17.300
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.378	2.048	3.355
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.800	2.800	2.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	0.006
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.300	5.300	5.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.318	3.318	3.318
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	40		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.600	10.810	16.700
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.325	0.400
Tetrachloromethane	ug/l	S	4	4	>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	0.180	1.000
Total Coliforms	No./100ml	S	84	84	>0	1	1.190	0.000	0.214	18.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	< 0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	12	>100.0	8	66.667	62.500	101.773	134.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	8	66.667	62.500	101.773	134.000
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	I	36	36	>4.00	0	0.000	< 0.200	< 1.054	3.200
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	5.700	28.400	84.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	3		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Hydrogen Ion, Iron, Lead, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3701 - Saintfield Hillsborough
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 34300

PCV Exceedences:

Sample failed 22-MAY-2002 (Z3701AE) E_Coli = 18.
 Sample failed 29-NOV-2002 (Z3701AE) Lead = 175.
 Sample failed 22-MAY-2002 (Z3701AE) Total Coliforms = 18.
 Sample failed 24-JUL-2002 (Z3701AE) Total Trihalomethanes = 102.600.
 Sample failed 23-MAY-2002 (Z3701AE) Total Trihalomethanes = 117.100.
 Sample failed 22-APR-2002 (Z3701AE) Total Trihalomethanes = 102.200.
 Sample failed 28-MAR-2002 (Z3701AE) Total Trihalomethanes = 115.870.
 Sample failed 01-MAR-2002 (Z3701AE) Total Trihalomethanes = 118.900.
 Sample failed 31-MAY-2002 (Z3701AE) Total Trihalomethanes = 117.200.
 Sample failed 10-JUN-2002 (Z3701AE) Total Trihalomethanes = 128.300.
 Sample failed 22-JUL-2002 (Z3701AE) Total Trihalomethanes = 134.000.
 Sample failed 24-JUL-2002 (Z3701AE) Total Trihalomethanes = 102.600.
 Sample failed 23-MAY-2002 (Z3701AE) Total Trihalomethanes = 117.100.
 Sample failed 22-APR-2002 (Z3701AE) Total Trihalomethanes = 102.200.
 Sample failed 28-MAR-2002 (Z3701AE) Total Trihalomethanes = 115.870.
 Sample failed 01-MAR-2002 (Z3701AE) Total Trihalomethanes = 118.900.
 Sample failed 31-MAY-2002 (Z3701AE) Total Trihalomethanes = 117.200.
 Sample failed 10-JUN-2002 (Z3701AE) Total Trihalomethanes = 128.300.
 Sample failed 22-JUL-2002 (Z3701AE) Total Trihalomethanes = 134.000.

Notes:

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

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
1.2 Dichloroethane	ug/l	S 4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I 24	23	>200.0	0	0.000	< 0.000	< 90.765	345.700
Ammonium	mg NH4/l	S 6	5	>0.50	0	0.000	< 0.000	< 0.021	0.062
Antimony	ug Sb/l	S 1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S 1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.018	0.043
Azinphos methyl	ug/l	S 4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S 1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S 4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S 1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S 1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S 1	1	>250.0	0	0.000	34.400	34.400	34.400
Chlorfenvinphos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	25.902	25.902	25.902
Chlorpropham	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S 1	1	>50	0	0.000	0.910	0.910	0.910
Clopyralid	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./1 ml	S 48	46		0	0.000	0.000	1.130	20.000
Colony Counts 37 (48hrs)	No./1 ml	S 48	46		0	0.000	0.000	39.000	1610.00
Colour	mg/l Pt/C	S 6	6	>20.00	0	0.000	4.000	10.333	15.000
Copper	ug Cu/l	S 4	4	>3000.0	0	0.000	14.100	39.000	84.600
Cyanide	ug CN/l	S 1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S 4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S 4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S 48	46	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S 4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S 4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S 4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S 4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S 1	1	>1500	0	0.000	48.322	48.322	48.322
Flutriafol	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S 48	46		0	0.000	0.020	0.095	0.300
Gamma-HCH (Lindane)	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S 4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S 4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3702 - Lisburn Central Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	23	9.50	0	0.000	6.700	7.350	8.360
Iron	ug Fe/l	I	24	23	>200	0	0.000	< 11.200	< 46.313	117.400
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	I	12	12	>50.0	1	8.333	< 0	< 24.649	257.600
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	18.600	18.600	18.600
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	0	0.000	0.700	4.200	13.200
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	5	>50.00	0	0.000	0.332	1.202	2.281
Nitrite	mg NO2/l	S	6	5	>0.100	0	0.000	< 0.000	< 0.007	0.015
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.200	2.200	2.200
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 0.000	< 0.000	< 0.000
Potassium		S	1	1	>12.00	0	0.000	8.700	8.700	8.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.014	0.022
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	15.000	15.000	15.000
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	22.494	22.494	22.494
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	24		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	6	5	>25.0	0	0.000	8.500	13.640	18.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	46		0	0.000	0.020	0.230	1.000
Total Coliforms	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	< 0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.054	0.067
Total Trihalomethanes	ug/l	I	12	12	>100.0	3	25.000	58.500	92.728	161.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	I	24	23	>4.00	0	0.000	0.200	0.559	1.800
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.000	< 6.850	14.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Iron, Lead, Total Trihalomethanes, Turbidity

Water Supply Zone - Z3702 - Lisburn Central Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 11100

PCV Exceedences:
 Sample failed 03-SEP-2002 (Z3702AE) Lead = 258.
 Sample failed 07-AUG-2002 (Z3702AE) Total Trihalomethanes = 161.600.
 Sample failed 03-SEP-2002 (Z3702AE) Total Trihalomethanes = 101.100.
 Sample failed 21-NOV-2002 (Z3702AE) Total Trihalomethanes = 103.600.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	10	10	>200.0	500	0.000	< 4.100	< 29.520	218.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.008	0.061
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.019	0.047
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	28.800	28.800	28.800
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.477	23.477	23.477
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	50		0	0.000	0.000	2.880	123.000
Colony Counts 37 (48hrs)	No./l ml	S	52	50		0	0.000	0.000	4.540	83.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0.000	5.000	10.800	15.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	44.500	148.625	267.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	96	86	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 13.965	< 13.965	< 13.965
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	96	86		0	0.000	0.020	0.116	0.400
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z3703 - Lisburn Outer
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	60	56	9.50	0	0.000	5.880	7.402	7.770
Iron	ug Fe/l	I	48	46	>200	0	0.000	< 3.700	< 31.411	89.400
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0	< 3.633	9.390
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	12.800	12.800	12.800
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	100	0.000	1.100	5.630	15.800
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.749	2.021	5.069
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.008	0.018
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	55		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.400	3.400	3.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	2.500	2.500	2.500
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.012	0.015
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.500	11.500	11.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	14.007	14.007	14.007
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	55		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	7.900	13.830	20.500
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	96	86		0	0.000	0.060	0.217	0.500
Total Coliforms	No./100ml	S	96	86	>0	1	1.163	0.000	0.105	9.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	< 0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.053	0.061
Total Trihalomethanes	ug/l	I	24	20	>100.0	13	65.000	66.700	114.512	152.000
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.625	0.700
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.150	0.435	1.400
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	7.900	19.825	52.400
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z3703 - Lisburn Outer
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 38000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 29-MAY-2002 (Z3703AE) Total Coliforms = 9.
 Sample failed 26-SEP-2002 (Z3703AE) Total Trihalomethanes = 136.900.
 Sample failed 20-AUG-2002 (Z3703AE) Total Trihalomethanes = 152.000.
 Sample failed 11-JUL-2002 (Z3703AE) Total Trihalomethanes = 140.200.
 Sample failed 10-JUN-2002 (Z3703AE) Total Trihalomethanes = 105.300.
 Sample failed 12-JUN-2002 (Z3703AE) Total Trihalomethanes = 103.800.
 Sample failed 17-JUL-2002 (Z3703AE) Total Trihalomethanes = 137.100.
 Sample failed 29-JUL-2002 (Z3703AE) Total Trihalomethanes = 120.000.
 Sample failed 22-AUG-2002 (Z3703AE) Total Trihalomethanes = 142.400.
 Sample failed 23-AUG-2002 (Z3703AE) Total Trihalomethanes = 132.600.
 Sample failed 19-SEP-2002 (Z3703AE) Total Trihalomethanes = 134.800.
 Sample failed 17-OCT-2002 (Z3703AE) Total Trihalomethanes = 147.500.
 Sample failed 20-NOV-2002 (Z3703AE) Total Trihalomethanes = 103.200.
 Sample failed 11-DEC-2002 (Z3703AE) Total Trihalomethanes = 140.300.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	10	10	>200.0	0	0.000	< 1.000	< 47.400	86.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	0.010	0.021	0.060
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	19.000	19.000	19.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	17.500	17.500	17.500
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	27.042	27.042	27.042
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.670	0.670	0.670
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	0.269	4.000
Colony Counts 37 (48hrs)		S	52	52		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.100	< 2.430	5.200
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	<0	< 1.625	< 4.100
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 9.587	< 9.587	< 9.587
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	84	84		0	0.000	0.000	0.167	0.590
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4301 - Londonderry Printed On 27-AUG-2004 : Water Service										
: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	44	9.50	0	0.000	6.820	7.386	8.030
Iron	ug Fe/l	I	36	15	>200	1	6.667	< 1.000	< 43.733	235.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	6	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	2.400	2.400	2.400
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	0.007	3.402	8.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.430	1.329	6.920
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	0.010	0.012	0.030
Odour	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.100	1.100	1.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	1.400	1.400	1.400
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	13.100	13.100	13.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	28.721	28.721	28.721
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	12	>25.0	0	0.000	8.000	11.600	17.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>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	0.237	0.700
Total Coliforms	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.023	0.030
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	11	>100.0	1	9.091	39.400	71.327	125.800
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.050	0.128	0.580
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.700	< 3.650	< 4.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Water Supply Zone - Z4301 - Londonderry
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 32000

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 09-OCT-2002 (Z4301AE) Iron = 235.

Sample failed 16-SEP-2002 (Z4301AE) Total Trihalomethanes = 125.800.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	10	>200.0	0	0.000	13.000	44.200	80.000
Ammonium	mg NH4/l	S	10	12	>0.50	0	0.000	0.010	0.017	0.030
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.170	0.170	0.170
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	21.000	21.000	21.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.275	0.700
Boron	ug B/l	S	1	1	>2000.0	0	0.000	11.000	11.000	11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	14.400	14.400	14.400
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	26.035	26.035	26.035
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.560	0.560	0.560
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	0.019	1.000
Colony Counts 37 (48hrs)		S	52	52		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.100	< 2.570	5.900
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 3.200	< 18.175	35.600
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	60	60		0	0.000	< 0.010	< 0.135	0.660
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4302 - Limavady Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	44	9.50	0	0.000	6.490	7.396	8.610
Iron	ug Fe/l	I	36	36	>200	2	5.556	< 1.000	< 47.111	381.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	5	>50.0	0	0.000	< 1.000	< 1.200	2.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.400	1.400	1.400
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	0.011	3.503	8.000
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	11	>50.00	0	0.000	0.440	1.198	5.970
Nitrite	mg NO2/l	S	10	11	>0.100	0	0.000	0.005	< 0.009	< 0.010
Odour	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.000	2.000	2.000
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	I	12	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.900	0.900	0.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.800	10.800	10.800
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	35.447	35.447	35.447
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	12	>25.0	0	0.000	7.800	12.143	15.800
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	60		0	0.000	0.010	0.200	0.740
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.038	0.060
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	12	>100.0	4	33.333	11.900	80.226	171.100
Total Trihalomethanes	ug/l	I	12	12	>100.0	4	33.333	11.900	80.226	171.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.040	0.256	0.970
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.700	< 15.750	49.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Phosphorous, Total Trihalomethanes

Water Supply Zone - Z4302 - Limavady
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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

Population of zone = 24000

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 22-JAN-2002 (Z4302AE) Iron = 301.
 Sample failed 06-JUN-2002 (Z4302AE) Iron = 381.
 Sample failed 19-JUN-2002 (Z4302AE) Total Trihalomethanes = 100.200.
 Sample failed 16-SEP-2002 (Z4302AE) Total Trihalomethanes = 155.300.
 Sample failed 16-OCT-2002 (Z4302AE) Total Trihalomethanes = 145.100.
 Sample failed 10-DEC-2002 (Z4302AE) Total Trihalomethanes = 171.100.
 Sample failed 19-JUN-2002 (Z4302AE) Total Trihalomethanes = 100.200.
 Sample failed 16-SEP-2002 (Z4302AE) Total Trihalomethanes = 155.300.
 Sample failed 16-OCT-2002 (Z4302AE) Total Trihalomethanes = 145.100.
 Sample failed 10-DEC-2002 (Z4302AE) Total Trihalomethanes = 171.100.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	48	48	>200.0	0	0.000	< 1.000	< 37.896	129.000
Ammonium	mg NH4/l	S	10	13	>0.50	0	0.000	0.006	0.025	0.140
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	16.000	16.000	16.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	18.600	18.600	18.600
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	26.774	26.774	26.774
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	54		0	0.000	0.000	7.500	300.000
Colony Counts 37 (48hrs)		S	52	54		0	0			
Colour	mg/l Pt/C	S	10	13	>20.00	0	0.000	< 0.100	< 2.562	10.400
Copper	ug Cu/l	S	4	5	>3000.0	0	0.000	< 1.900	< 6.900	14.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	96	98	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.022	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 18.163	< 18.163	< 18.163
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	96	98		0	0.000	0.010	0.153	0.460
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4303 - Carmoney West Bank
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	60	62	9.50	0	0.000	6.450	7.675	8.530
Iron	ug Fe/l	S	10	13	>200	0	0.000	< 1.000	< 25.077	66.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.200	1.800
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.010	0.020
Magnesium		S	1	1	>50.00	0	0.000	1.700	1.700	1.700
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	13	>50.0	420	0.000	0.011	4.232	11.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.742	4.509	8.040
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	0.008	< 0.010	< 0.010
Odour	Diln No	S	10	15	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	60	62		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.100	1.100	1.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 1.000	< 1.000	< 1.000
Potassium		S	1	1	>12.00	0	0.000	1.400	1.400	1.400
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	13.500	13.500	13.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	30.159	30.159	30.159
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	15	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	60	62		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	13	>25.0	0	0.000	0.100	11.477	15.900
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	96	98		0	0.000	0.030	0.225	0.610
Total Coliforms	No./100ml	S	96	98	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	24	21	>100.0	5	23.810	30.400	75.352	135.300
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	13	>4.00	0	0.000	< 0.010	< 0.118	0.220
Zinc	ug Zn/l	S	4	5	>5000	0	0.000	< 2.500	< 6.500	8.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes

Water Supply Zone - Z4303 - Carmoney West Bank
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 36000

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 17-JUL-2002 (Z4303AE) Total Trihalomethanes = 106.000.
 Sample failed 20-AUG-2002 (Z4303AE) Total Trihalomethanes = 118.900.
 Sample failed 16-SEP-2002 (Z4303AE) Total Trihalomethanes = 116.100.
 Sample failed 18-SEP-2002 (Z4303AE) Total Trihalomethanes = 135.300.
 Sample failed 16-OCT-2002 (Z4303AE) Total Trihalomethanes = 131.000.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 1.000	< 1.000	< 1.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.010	0.023	0.040
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	19.000	19.000	19.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	14.900	14.900	14.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.446	24.446	24.446
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	> 27.250	>300.000
Colony Counts 37 (48hrs)		S	12	12		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	3.000	6.050	11.900
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	14.700	198.200	657.900
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	36.559	36.559	36.559
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	12	12		0	0.000	< 0.010	< 0.181	0.550
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4304 - Killea
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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
Hydrogen Ion	pH value	S 6	6	9.50	0	0.000	7.020	7.358	7.610
Iron	ug Fe/l	S 4	4	>200	0	0.000	< 1.000	< 10.250	22.000
Isoproturon	ug/l	S 4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S 4	6	>50.0	0	0.000	0.390	< 0.798	< 1.000
MCPA	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S 1	1	>50.00	0	0.000	3.900	3.900	3.900
Malathion	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S 4	4	>50.0	420	0.000	< 0.001	< 2.250	5.000
Mecoprop (MCP)	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S 1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S 1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S 4	4	>50.00	0	0.000	0.090	3.103	5.540
Nitrite	mg NO2/l	S 4	4	>0.100	0	0.000	< 0.010	< 0.018	0.040
Odour	Diln No	S 4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S 6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	1	>5.00	0	0.000	1.500	1.500	1.500
Parathion	ug/l	S 4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S 1	1	>2200	0	0.000	70.000	70.000	70.000
Potassium		S 1	1	>12.00	0	0.000	1.800	1.800	1.800
Propetamphos	ug/l	S 4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S 1	1	>10.0	0	0.000	2.600	2.600	2.600
Silver	ug Ag/l	S 1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S 1	1	>150.00	0	0.000	12.700	12.700	12.700
Sulphate	mg SO4/l	S 1	1	>250	0	0.000	8.463	8.463	8.463
Surfactants	ug/l L.SO	S 1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S 4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S 6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S 4	4	>25.0	0	0.000	0.000	10.075	14.300
Terbutryne	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S 4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S 4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S 12	12		0	0.000	0.040	0.231	0.490
Total Coliforms	No./100ml	S 12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S 4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S 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	26.800	37.860	58.300
Trichloroethene	ug/l	S 4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S 4	4	>4.00	0	0.000	0.280	0.905	2.430
Zinc	ug Zn/l	S 4	4	>5000	0	0.000	7.500	48.625	139.600
op-DDT	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S 4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

Population of zone = 1000

Water Supply Zone - Z4304 - Killea									
Printed On 27-AUG-2004 : Water Service					: Period 01-JAN-2002 to 31-DEC-2002 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.

This zone has a surface water source :R4301

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 1.000	< 17.000	61.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.010	< 0.028	0.070
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.025	0.040
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	15.000	15.000	15.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	34.900	34.900	34.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	19.812	19.812	19.812
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	26.250	300.000
Colony Counts 37 (48hrs)		S	12	12		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	1.200	2.250	4.100
Copper	ug Cu/l	S	4	5	>3000.0	0	0.000	< 2.200	< 11.420	29.800
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.020	0.236	0.950
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4305 - Stradreagh Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	7.380	7.707	7.920
Iron	ug Fe/l	S	4	4	>200	0	0.000	4.000	46.250	155.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	5	>50.0	0	0.000	0.700	< 0.940	< 1.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	14.300	14.300	14.300
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	140	0.000	< 1.000	< 3.500	9.000
Mecoprop (MCCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.400	5.185	15.760
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.010	< 0.015	0.030
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.900	0.900	0.900
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	100.000	100.000	100.000
Potassium		S	1	1	>12.00	0	0.000	7.700	7.700	7.700
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.800	11.800	11.800
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	7.055	7.055	7.055
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	53.000	53.000	53.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	6	>25.0	0	0.000	7.500	10.117	13.800
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.030	0.292	1.030
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	12	>0.20	0	0.000	0.008	0.025	0.100
Total Pesticides	ug/l	S	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	2.000	36.420	92.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.020	0.170	0.420
Zinc	ug Zn/l	S	4	5	>5000	0	0.000	< 1.200	< 14.200	28.000
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Total PAH

Water Supply Zone - Z4305 - Stradreagh Printed On 27-AUG-2004 : Water Service									
: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 4100

This zone has a surface water source :R4306

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

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	S	4	2	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	2	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 1.000	< 44.000	115.000
Ammonium	mg NH4/l	S	4	5	>0.50	0	0.000	0.010	0.012	0.020
Antimony	ug Sb/l	S	1	0	>10.0	0	0			
Arsenic	ug As/l	S	1	0	>50.0	0	0			
Asulam	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	2	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	0	>1000	0	0			
Bentazone	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	2	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	0	>2000.0	0	0			
Cadmium	ug Cd/l	S	1	0	>5.0	0	0			
Calcium		S	1	1	>250.0	0	0.000	10.900	10.900	10.900
Chlorfenvinphos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	26.225	26.225	26.225
Chlorpropham	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	0	>50	0	0			
Clopyralid	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	25.583	300.000
Colony Counts 37 (48hrs)		S	12	12		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	2.200	4.575	7.700
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.200	< 23.025	65.500
Cyanide	ug CN/l	S	1	0	>50	0	0			
Cypermethrum	ug/l	S	4	1	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	2	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	2	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	2	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	2	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	1	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Fluoride	ug F/l	S	1	1	>1500	0	0.000	25.546	25.546	25.546
Flutriafol	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.010	0.063	0.200
Gamma-HCH (Lindane)	ug/l	S	4	2	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	2	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4306 - White Mountain Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.210	7.433	7.650
Iron	ug Fe/l	S	4	4	>200	0	0.000	15.000	44.000	83.000
Isoproturon	ug/l	S	4	2	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
MCPA	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.900	1.900	1.900
Malathion	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	140	0.000	< 1.000	< 8.250	16.000
Mecoprop (MCCP)	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	0	>1.0	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Nitrate	mg NO3/l	S	4	5	>50.00	0	0.000	0.330	1.324	2.600
Nitrite	mg NO2/l	S	4	5	>0.100	0	0.000	0.004	< 0.009	< 0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	4	4		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.100	1.100	1.100
Parathion	ug/l	S	4	2	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	2	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 1.000	< 1.000	< 1.000
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
Propetamphos	ug/l	S	4	2	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.0	0	0			
Silver	ug Ag/l	S	1	0	>10.0	0	0			
Simazine	ug/l	S	4	2	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	12.800	12.800	12.800
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	25.084	25.084	25.084
Surfactants	ug/l L.SO	S	1	0	>200	0	0			
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	4	4		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.600	11.575	13.900
Terbutryne	ug/l	S	4	2	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	2	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	2	>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	0.073	0.160
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	2	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	2	>0.5000	0	0.000	< 0.020	< 0.035	< 0.050
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	23.000	35.475	46.300
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	23.000	35.475	46.300
Trichloroethene	ug/l	S	4	2	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.060	0.113	0.190
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 1.400	< 55.825	204.500
op-DDT	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	2		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

Population of zone = 200

Water Supply Zone - Z4306 - White Mountain Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

This zone has a surface water source :R4306

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	27.000	42.500	58.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.010	0.018	0.020
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	17.000	17.000	17.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	5	>10.0	0	0.000	< 0.100	< 0.400	1.200
Boron	ug B/l	S	1	1	>2000.0	0	0.000	18.000	18.000	18.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	21.900	21.900	21.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	12.088	12.088	12.088
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	0.020	0.020	0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	1.500	10.000
Colony Counts 37 (48hrs)		S	12	12		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.100	< 1.925	3.100
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 2.500	< 16.550	45.000
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	12	12		0	0.000	< 0.010	< 0.128	0.410
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4307 - Brishey Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	6.870	7.333	7.770
Iron	ug Fe/l	S	4	5	>200	0	0.000	< 1.000	< 69.800	178.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	1.000	1.000	1.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	11.400	11.400	11.400
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	5	>50.0	140	0.000	< 1.000	< 3.600	12.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.590	1.030	2.280
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.010	< 0.013	0.020
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.700	0.700	0.700
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	85.000	85.000	85.000
Potassium		S	1	1	>12.00	0	0.000	6.400	6.400	6.400
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.500	7.500	7.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	3.812	3.812	3.812
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	6	>25.0	0	0.000	5.700	10.317	13.400
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.010	0.194	0.480
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	I	12	12	>0.20	0	0.000	< 0.020	< 0.024	0.040
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	12	>100.0	2	16.667	7.800	45.292	112.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.183	0.530
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 0.700	< 9.850	16.500
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Total PAH, Total Trihalomethanes

Water Supply Zone - Z4307 - Brishey
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 3000

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 14-MAY-2002 (Z4307AE) Total Trihalomethanes = 101.400.

Sample failed 19-JUN-2002 (Z4307AE) Total Trihalomethanes = 112.100.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	26	>200.0	0	0.000	< 1.000	< 38.231	109.000
Ammonium	mg NH4/l	S	6	7	>0.50	0	0.000	0.008	0.025	0.100
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	9.000	9.000	9.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	33.400	33.400	33.400
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	25.540	25.540	25.540
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	48		0	0.000	0.000	12.813	300.000
Colony Counts 37 (48hrs)		S	48	48		0	0			
Colour	mg/l Pt/C	S	6	5	>20.00	0	0.000	0.500	3.220	7.900
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 2.400	< 5.550	12.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	48		0	0.000	0.010	0.179	0.540
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

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
Hydrogen Ion	pH value	S 24	23	9.50	0	0.000	6.690	7.674	8.160
Iron	ug Fe/l	S 6	7	>200	0	0.000	< 1.000	< 12.000	48.000
Isoproturon	ug/l	S 4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S 4	4	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
MCPA	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.010	0.020
Magnesium		S 1	1	>50.00	0	0.000	4.100	4.100	4.100
Malathion	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S 6	7	>50.0	0	0.000	< 0.001	< 10.001	37.000
Mecoprop (MCP)	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S 1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S 1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S 6	7	>50.00	0	0.000	0.590	3.086	8.700
Nitrite	mg NO2/l	S 6	7	>0.100	0	0.000	< 0.010	< 0.011	0.014
Odour	Diln No	S 6	6	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S 24	24		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	1	>5.00	0	0.000	1.700	1.700	1.700
Parathion	ug/l	S 4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S 1	1	>2200	0	0.000	79.000	79.000	79.000
Potassium		S 1	1	>12.00	0	0.000	2.500	2.500	2.500
Propetamphos	ug/l	S 4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S 1	1	>10.0	0	0.000	1.900	1.900	1.900
Silver	ug Ag/l	S 1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S 1	1	>150.00	0	0.000	14.200	14.200	14.200
Sulphate	mg SO4/l	S 1	1	>250	0	0.000	45.694	45.694	45.694
Surfactants	ug/l L.SO	S 1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S 6	6	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S 24	23		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S 6	6	>25.0	0	0.000	0.300	9.533	13.700
Terbutryne	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S 4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S 4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S 48	48		0	0.000	< 0.010	< 0.254	0.680
Total Coliforms	No./100ml	S 48	48	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S 4	4	>0.20	0	0.000	< 0.020	< 0.023	0.030
Total Pesticides	ug/l	S 4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I 12	12	>100.0	2	16.667	31.320	72.260	114.300
Trichloroethene	ug/l	S 4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S 6	5	>4.00	0	0.000	0.010	0.064	0.110
Zinc	ug Zn/l	S 4	4	>5000	0	0.000	< 1.200	< 3.550	7.400
op-DDT	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S 4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes

Water Supply Zone - Z4308 - Carmoney East Bank
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 19650

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 20-AUG-2002 (Z4308AE) Total Trihalomethanes = 114.300.

Sample failed 16-SEP-2002 (Z4308AE) Total Trihalomethanes = 111.100.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	36	36	>200.0	1	2.778	< 1.000	< 62.528	297.000
Ammonium	mg NH4/l	I	36	37	>0.50	6	16.216	0.030	0.290	0.762
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	17.000	17.000	17.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	26.000	26.000	26.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.175	22.175	22.175
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	4.483	147.000
Colony Counts 37 (48hrs)		S	52	52		0	0			
Colour	mg/l Pt/C	S	10	11	>20.00	30	0.000	< 0.100	< 2.364	4.700
Copper	ug Cu/l	S	4	5	>3000.0	0	0.000	< 0.800	< 10.920	30.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	60	60	>0	1	1.667	0.000	0.100	6.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.022	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 6.246	< 6.246	< 6.246
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	60	60		0	0.000	< 0.010	< 0.218	1.120
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4501 - Derg Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	42	43	9.50	0	0.000	7.410	7.941	8.880
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.000	< 5.000	18.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	6	>50.0	0	0.000	< 1.000	< 1.067	1.400
MCPA	ug/l	I	12	12	>0.10	0	0.000	< 0.004	< 0.011	0.030
Magnesium		S	1	1	>50.00	0	0.000	3.000	3.000	3.000
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	380	0.000	0.020	9.804	47.000
Mecoprop (MCPP)	ug/l	I	12	12	>0.10	0	0.000	< 0.005	< 0.008	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	3.207	6.751	21.880
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	0.010	0.021	0.050
Odour	Diln No	S	10	11	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	43		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.700	1.700	1.700
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	1.800	1.800	1.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.500	9.500	9.500
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	32.172	32.172	32.172
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	11	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	43		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	11	>25.0	0	0.000	5.900	10.455	14.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	60		0	0.000	0.010	0.915	14.100
Total Coliforms	No./100ml	S	60	60	>0	1	1.667	0.000	1.200	72.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	0.020	0.020	0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	13.500	20.700	29.600
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	13.500	20.700	29.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	11	>4.00	0	0.000	< 0.010	< 0.075	0.170
Zinc	ug Zn/l	S	4	5	>5000	0	0.000	< 2.100	< 8.860	15.600
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Ammonium, Hydrogen Ion, MCPA, Mecoprop (MCPP)

Water Supply Zone - Z4501 - Derg
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 24620

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 29-MAY-2002 (Z4501AE) Aluminium = 297.
 Sample failed 02-JAN-2002 (Z4501AE) Ammonium = 0.60.
 Sample failed 09-JAN-2002 (Z4501AE) Ammonium = 0.74.
 Sample failed 15-JAN-2002 (Z4501AE) Ammonium = 0.71.
 Sample failed 15-APR-2002 (Z4501AE) Ammonium = 0.60.
 Sample failed 23-JAN-2002 (Z4501AE) Ammonium = 0.76.
 Sample failed 09-APR-2002 (Z4501AE) Ammonium = 0.55.
 Sample failed 18-JUL-2002 (Z4501AE) E_Coli = 6.
 Sample failed 18-JUL-2002 (Z4501AE) Total Coliforms = 72.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	24	>200.0	6	25.000	< 1.000	<187.125	< 929.000
Ammonium	mg NH4/l	S	6	7	>0.50	0	0.000	0.010	0.057	0.200
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	17.000	17.000	17.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	14.000	14.000	14.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	7.000	7.000	7.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.836	17.836	17.836
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.670	0.670	0.670
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	48		0	0.000	0.000	19.500	300.000
Colony Counts 37 (48hrs)		S	48	48		0	0			
Colour	mg/l Pt/C	S	6	6	>20.00	30	0.000	1.400	5.083	10.200
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	<0	< 0.500	< 1.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 9.433	< 9.433	< 9.433
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	48	48		0	0.000	0.010	0.078	0.520
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4502 - Lough Bradan Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	24	30	9.50	1	3.333	6.850	7.885	9.580
Iron	ug Fe/l	S	6	6	>200	0	0.000	17.000	47.167	108.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.043	< 0.092
Lead	ug Pb/l	S	4	5	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	1.500	1.500	1.500
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	6	6	>50.0	380	0.000	0.011	8.502	17.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	6	7	>50.00	0	0.000	0.340	0.996	3.350
Nitrite	mg NO2/l	S	6	7	>0.100	0	0.000	< 0.010	< 0.011	0.020
Odour	Diln No	S	6	7	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	24	25		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.400	2.400	2.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Propamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.300	0.300	0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	44.900	44.900	44.900
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	52.304	52.304	52.304
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	6	7	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	24	25		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	6	6	>25.0	0	0.000	8.800	11.017	13.700
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	48	48		0	0.000	0.020	0.136	1.010
Total Coliforms	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.030	0.060
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.053	0.061
Total Trihalomethanes	ug/l	I	12	12	>100.0	4	33.333	28.500	89.450	153.800
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	6	6	>4.00	0	0.000	0.100	0.297	0.740
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 1.800	< 5.775	8.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes

Water Supply Zone - Z4502 - Lough Bradan
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 11500

This zone has a surface water source :R4501

PCV Exceedences:

Sample failed 02-JAN-2002 (Z4502AE) Aluminium = 225.
 Sample failed 02-DEC-2002 (Z4502AE) Aluminium = 284.
 Sample failed 17-APR-2002 (Z4502AE) Aluminium = 386.
 Sample failed 06-MAR-2002 (Z4502AE) Aluminium = 474.
 Sample failed 14-MAY-2002 (Z4502AE) Aluminium = 929.
 Sample failed 14-OCT-2002 (Z4502AE) Aluminium = 303.
 Sample failed 03-APR-2002 (Z4502AE) Hydrogen Ion = 9.58.
 Sample failed 17-JUL-2002 (Z4502AE) Total Trihalomethanes = 138.100.
 Sample failed 19-JUN-2002 (Z4502AE) Total Trihalomethanes = 153.800.
 Sample failed 15-MAY-2002 (Z4502AE) Total Trihalomethanes = 123.400.
 Sample failed 15-OCT-2002 (Z4502AE) Total Trihalomethanes = 122.300.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	36	36	>200.0	0	0.000	< 1.000	< 64.222	144.000
Ammonium	mg NH4/l	S	10	11	>0.50	0	0.000	< 0.010	< 0.027	0.080
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.035	0.080
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	7.000	7.000	7.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	15.200	15.200	15.200
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.367	18.367	18.367
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	1.827	33.000
Colony Counts 37 (48hrs)		S	52	52		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	0.500	3.090	8.300
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 2.000	< 2.975	< 3.900
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 7.911	< 7.911	< 7.911
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	72	72		0	0.000	0.010	0.273	1.600
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

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.
Hydrogen Ion	pH value	I	42	43	9.50	0	0.000	7.010	7.675	8.280
Iron	ug Fe/l	I	36	36	>200	1	2.778	< 1.000	< 27.167	308.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	5	>50.0	0	0.000	< 1.000	< 1.856	4.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S	1	1	>50.00	0	0.000	2.400	2.400	2.400
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	0.002	5.701	21.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.530	2.576	4.550
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.010	< 0.011	0.020
Odour	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.100	1.100	1.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	60.000	60.000	60.000
Potassium		S	1	1	>12.00	0	0.000	1.100	1.100	1.100
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.800	9.800	9.800
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	22.900	22.900	22.900
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	13	>25.0	0	0.000	5.800	10.900	16.400
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	72	72		0	0.000	0.040	0.369	1.800
Total Coliforms	No./100ml	S	72	72	>0	1	1.389	0.000	0.028	2.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.058	0.081
Total Trihalomethanes	ug/l	I	12	11	>100.0	1	9.091	22.200	62.045	122.900
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.080	0.199	0.440
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.800	< 5.400	10.000
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Hydrogen Ion, Iron, Total Trihalomethanes

Water Supply Zone - Z4504 - Lough Macrory
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 26500

This zone has a surface water source :R4501

PCV Exceedences:

Sample failed 14-JAN-2002 (Z4504AE) Iron = 308.
 Sample failed 21-JUN-2002 (Z4504AE) Total Coliforms = 2.
 Sample failed 17-JUL-2002 (Z4504AE) Total Trihalomethanes = 122.900.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	6	6	>200.0	0	0.000	13.000	50.333	128.000
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	0.010	0.033	0.100
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	12.000	12.000	12.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	14.100	14.100	14.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	15.543	15.543	15.543
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.670	0.670	0.670
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	48	48		0	0.000	0.000	7.542	300.000
Colony Counts 37 (48hrs)		S	48	48		0	0			
Colour	mg/l Pt/C	S	6	6	>20.00	30	0.000	< 0.100	< 1.617	2.600
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 0.000	< 3.550	6.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	3	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 12.918	< 12.918	< 12.918
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	48	48		0	0.000	0.010	0.269	0.770
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

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
Hydrogen Ion	pH value	S 24	25	9.50	0	0.000	6.270	7.656	8.270
Iron	ug Fe/l	S 6	6	>200	0	0.000	< 1.000	< 5.833	11.000
Isoproturon	ug/l	S 4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S 4	4	>50.0	0	0.000	< 1.000	< 1.525	3.000
MCPA	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S 1	1	>50.00	0	0.000	1.100	1.100	1.100
Malathion	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S 6	6	>50.0	0	0.000	0.010	4.004	17.000
Mecoprop (MCP)	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Mercury	ug Hg/l	S 1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S 1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S 6	6	>50.00	0	0.000	0.470	1.260	2.880
Nitrite	mg NO2/l	S 6	6	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S 6	7	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S 24	25		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	1	>5.00	0	0.000	1.800	1.800	1.800
Parathion	ug/l	S 4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S 1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S 1	1	>12.00	0	0.000	1.200	1.200	1.200
Propetamphos	ug/l	S 4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S 1	1	>10.0	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S 1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S 1	1	>150.00	0	0.000	8.000	8.000	8.000
Sulphate	mg SO4/l	S 1	1	>250	0	0.000	29.719	29.719	29.719
Surfactants	ug/l L.S.O	S 1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S 6	7	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S 24	25		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S 6	6	>25.0	0	0.000	7.200	10.800	14.100
Terbutryne	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S 4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S 4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S 48	48		0	0.000	0.020	0.326	0.780
Total Coliforms	No./100ml	S 48	48	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S 4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S 4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S 4	4	>100.0	0	0.000	36.800	59.875	75.800
Trichloroethene	ug/l	S 4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S 6	6	>4.00	0	0.000	< 0.010	< 0.038	0.090
Zinc	ug Zn/l	S 4	4	>5000	0	0.000	< 1.600	< 3.275	5.500
op-DDT	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S 4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

Population of zone = 13300

Water Supply Zone - Z4505 - Glenhordial Printed On 27-AUG-2004 : Water Service									
: Period 01-JAN-2002 to 31-DEC-2002 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.

This zone has a surface water source :R4523

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 - Z4508 - Newtownstewart Borehole
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	I	12	14	>200.0	0	0.000	< 1.000	< 39.929	179.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.010	< 0.015	0.030
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	6.000	6.000	6.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	16.900	16.900	16.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	19.004	19.004	19.004
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.800	0.800	0.800
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	13		0	0.000	0.000	0.538	4.000
Colony Counts 37 (48hrs)		S	12	13		0	0			
Colour	mg/l Pt/C	S	4	5	>20.00	30	0.000	< 0.100	< 4.260	9.200
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.200	< 22.875	81.400
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	13	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 0.000	< 0.000	< 0.000
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	13		0	0.000	0.010	0.150	0.570
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4508 - Newtownstewart Borehole Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	I	12	13	9.50	0	0.000	6.390	7.407	8.850
Iron	ug Fe/l	I	12	15	>200	1	6.667	< 1.000	< 31.333	298.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
MCPA	ug/l	I	12	11	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Magnesium		S	1	1	>50.00	0	0.000	2.500	2.500	2.500
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	6	>50.0	0	0.000	1.000	10.833	38.000
Mecoprop (MCPP)	ug/l	I	12	8	>0.10	0	0.000	< 0.005	< 0.006	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	3.400	3.400	3.400
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.410	8.738	27.050
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	0.010	0.010	0.010
Odour	Diln No	S	4	5	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	7		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.600	1.600	1.600
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	80.000	80.000	80.000
Potassium		S	1	1	>12.00	0	0.000	1.100	1.100	1.100
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.900	9.900	9.900
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	25.417	25.417	25.417
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	5	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	7		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	6	>25.0	0	0.000	7.600	10.033	11.900
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	13		0	0.000	0.030	0.233	0.700
Total Coliforms	No./100ml	S	12	13	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.028	0.040
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	9.100	38.450	69.900
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	9.100	38.450	69.900
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	5	>4.00	0	0.000	0.090	0.240	0.380
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 1.900	< 10.750	32.900
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Hydrogen Ion, Iron, MCPA, Mecoprop (MCPP)

Water Supply Zone - Z4508 - Newtownstewart Borehole
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 2000

This zone has a surface water source :R4501

PCV Exceedences:

Sample failed 19-JUN-2002 (Z4508AE) Iron = 298.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	5	>200.0	0	0.000	< 1.000	< 97.200	199.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.010	0.063	0.210
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.030	0.060
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	6.000	6.000	6.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	5.100	5.100	5.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	9.739	9.739	9.739
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.570	0.570	0.570
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	5.083	60.000
Colony Counts 37 (48hrs)		S	12	12		0	0			
Colour	mg/l Pt/C	S	4	5	>20.00	30	0.000	< 0.100	< 0.860	3.100
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.500	< 18.025	44.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 11.555	< 11.555	< 11.555
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.020	0.182	0.440
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

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
Hydrogen Ion	pH value	S 6	6	9.50	0	0.000	6.390	7.125	7.760
Iron	ug Fe/l	S 4	4	>200	0	0.000	< 1.000	< 10.833	37.000
Isoproturon	ug/l	S 4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S 4	5	>50.0	0	0.000	< 1.000	< 1.680	4.400
MCPA	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Magnesium		S 1	1	>50.00	0	0.000	2.200	2.200	2.200
Malathion	ug/l	S 4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S 4	6	>50.0	380	0.000	1.000	1.500	3.000
Mecoprop (MCCP)	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S 1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S 1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S 4	4	>50.00	0	0.000	1.330	2.535	6.020
Nitrite	mg NO2/l	S 4	4	>0.100	0	0.000	< 0.010	< 0.013	0.020
Odour	Diln No	S 4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S 6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	1	>5.00	0	0.000	< 0.100	< 0.100	< 0.100
Parathion	ug/l	S 4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S 4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S 1	1	>2200	0	0.000	80.000	80.000	80.000
Potassium		S 1	1	>12.00	0	0.000	0.500	0.500	0.500
Propetamphos	ug/l	S 4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S 1	1	>10.0	0	0.000	1.500	1.500	1.500
Silver	ug Ag/l	S 1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S 4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S 1	1	>150.00	0	0.000	5.300	5.300	5.300
Sulphate	mg SO4/l	S 1	1	>250	0	0.000	2.157	2.157	2.157
Surfactants	ug/l L.S.O	S 1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S 4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S 6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S 4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S 4	6	>25.0	0	0.000	6.300	10.133	15.000
Terbutryne	ug/l	S 4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S 4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S 4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S 12	12		0	0.000	0.040	0.237	0.650
Total Coliforms	No./100ml	S 12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S 4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S 4	4	>0.5000	0	0.000	< 0.050	< 0.052	0.057
Total Trihalomethanes	ug/l	S 4	12	>100.0	0	0.000	2.400	19.217	42.300
Trichloroethene	ug/l	S 4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S 4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S 4	5	>4.00	0	0.000	< 0.010	< 0.136	0.300
Zinc	ug Zn/l	S 4	4	>5000	0	0.000	< 4.600	< 12.600	19.400
op-DDT	ug/l	S 4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S 4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

Population of zone = 1700

Water Supply Zone - Z4509 - Lenamore
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

This zone has a surface water source :R4501

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	40.000	62.250	98.000
Ammonium	mg NH4/l	S	4	5	>0.50	0	0.000	0.010	0.122	0.290
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	13.000	13.000	13.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.575	1.400
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	18.400	18.400	18.400
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.936	17.936	17.936
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.590	0.590	0.590
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	15		0	0.000	0.000	0.067	1.000
Colony Counts 37 (48hrs)		S	12	15		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	0.900	5.000	11.600
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.000	< 3.200	9.200
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	16	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.005	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 7.697	< 7.697	< 7.697
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	12	15		0	0.000	0.030	0.227	1.100
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004

Water Supply Zone - Z4513 - Bready Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	6.870	7.478	8.250
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 1.000	< 39.250	77.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.150	1.600
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	2.000	2.000	2.000
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	380	0.000	< 1.000	< 6.000	12.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	5	>50.00	0	0.000	< 0.010	< 1.964	4.500
Nitrite	mg NO2/l	S	4	5	>0.100	0	0.000	0.010	0.010	0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.600	1.600	1.600
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	1.300	1.300	1.300
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.400	9.400	9.400
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	28.441	28.441	28.441
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	6	>25.0	0	0.000	8.500	10.567	13.200
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	15		0	0.000	0.070	0.558	0.970
Total Coliforms	No./100ml	S	12	16	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.040	0.100
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	11	>100.0	1	9.091	15.900	55.515	158.800
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.000	0.140	0.380
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 1.200	< 4.125	6.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Water Supply Zone - Z4513 - Bready
Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 2000

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 16-SEP-2002 (Z4513AE) Total Trihalomethanes = 158.800.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 1.000	< 22.750	55.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.010	< 0.018	0.030
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.025	0.040
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.009	0.016	0.023
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	32.000	32.000	32.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	29.300	29.300	29.300
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	19.572	19.572	19.572
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	0.333	2.000
Colony Counts 37 (48hrs)		S	12	12		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.100	< 1.050	2.200
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	5.100	11.400	19.700
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 1.719	< 1.719	< 1.719
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.050	0.353	0.760
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4704 - Belleek Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	7.747	7.891	8.010
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 1.000	< 1.250	2.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.970	< 0.993	< 1.000
MCPA	ug/l	S	4	11	>0.10	0	0.000	< 0.004	< 0.037	0.060
Magnesium		S	1	1	>50.00	0	0.000	3.300	3.300	3.300
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 2.500	5.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	3.370	3.608	3.970
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.400	1.400	1.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	I	12	11	>0.10	0	0.000	< 0.006	< 0.008	< 0.025
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	60.000	60.000	60.000
Potassium		S	1	1	>12.00	0	0.000	3.400	3.400	3.400
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.900	0.900	0.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.009	0.014	0.019
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	22.100	22.100	22.100
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	53.658	53.658	53.658
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	20.000	20.000	20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	6	>25.0	0	0.000	6.500	9.583	13.000
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.140	0.439	0.940
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.078	0.105
Total Trihalomethanes	ug/l	I	12	12	>100.0	1	8.333	37.100	63.325	113.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.058	0.100
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 4.400	< 6.200	8.300
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Pentachlorophenol, Total Trihalomethanes

Water Supply Zone - Z4704 - Belleek
 Printed On 27-AUG-2004 : Water Service

: Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 3000

This zone has a surface water source :R4513

PCV Exceedences:

Sample failed 19-JUN-2002 (Z4704AE) Total Trihalomethanes = 113.100.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	I	24	24	>200.0	8	33.333	< 1.000	<199.292	906.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.010	0.023	0.040
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	21.000	21.000	21.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	5.500	5.500	5.500
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.071	18.071	18.071
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	24	24		0	0.000	0.000	50.458	300.000
Colony Counts 37 (48hrs)		S	24	24		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	40	0.000	0.500	3.500	6.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.100	< 9.100	14.300
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.026	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.026	< 0.090
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	< 3.948	< 3.948	< 3.948
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	24	24		0	0.000	0.010	0.057	0.220
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4705 - Kesh Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.560	7.744	8.670
Iron	ug Fe/l	S	4	4	>200	0	0.000	6.000	20.250	31.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 2.425	3.700
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Magnesium		S	1	1	>50.00	0	0.000	1.200	1.200	1.200
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	310	0.000	< 1.000	< 6.500	16.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.460	1.763	4.560
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	0.010	0.010	0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.900	1.900	1.900
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 28.000	< 28.000	< 28.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	0.900	0.900	0.900
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	50.700	50.700	50.700
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	52.545	52.545	52.545
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	12	12		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	4	6	>25.0	0	0.000	6.200	9.450	12.100
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	24	24		0	0.000	0.040	0.089	0.270
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	I	12	12	>100.0	5	41.667	29.600	95.108	144.000
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.143	0.280
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 3.200	< 14.650	22.000
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes

Water Supply Zone - Z4705 - Kesh
 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 5200

This zone has a surface water source :R4513

PCV Exceedences:

Sample failed 03-APR-2002 (Z4705AE) Aluminium = 495.
 Sample failed 15-APR-2002 (Z4705AE) Aluminium = 435.
 Sample failed 29-APR-2002 (Z4705AE) Aluminium = 332.
 Sample failed 04-MAR-2002 (Z4705AE) Aluminium = 505.
 Sample failed 19-MAR-2002 (Z4705AE) Aluminium = 419.
 Sample failed 07-NOV-2002 (Z4705AE) Aluminium = 243.
 Sample failed 14-OCT-2002 (Z4705AE) Aluminium = 906.
 Sample failed 23-SEP-2002 (Z4705AE) Aluminium = 226.
 Sample failed 17-APR-2002 (Z4705AE) Total Trihalomethanes = 144.000.
 Sample failed 14-MAY-2002 (Z4705AE) Total Trihalomethanes = 139.300.
 Sample failed 19-JUN-2002 (Z4705AE) Total Trihalomethanes = 120.500.
 Sample failed 17-JUL-2002 (Z4705AE) Total Trihalomethanes = 135.700.
 Sample failed 16-OCT-2002 (Z4705AE) Total Trihalomethanes = 114.500.

Notes:

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	5.000	9.000	13.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.010	0.018	0.020
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.006	0.014	0.023
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	0.100	0.100	0.100
Calcium		S	1	1	>250.0	0	0.000	61.900	61.900	61.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.861	22.861	22.861
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	0.520	0.520	0.520
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	12	12		0	0.000	0.000	22.667	87.000
Colony Counts 37 (48hrs)		S	12	12		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	40	0.000	0.800	3.900	9.400
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 2.800	< 11.275	17.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	0	>1500	0	0			
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.010	0.073	0.120
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004

Water Supply Zone - Z4709 - Derrylin Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	6	7	9.50	0	0.000	7.420	7.774	8.430
Iron	ug Fe/l	S	4	4	>200	0	0.000	9.000	16.750	33.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.250	2.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.030	0.060
Magnesium		S	1	1	>50.00	0	0.000	4.100	4.100	4.100
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	4	4	>50.0	310	0.000	1.000	2.750	5.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.015	0.030
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.410	2.598	5.100
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.010	< 0.015	0.030
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.600	1.600	1.600
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 39.000	< 39.000	< 39.000
Potassium		S	1	1	>12.00	0	0.000	4.100	4.100	4.100
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	0.006	0.010	0.015
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	17.200	17.200	17.200
Sulphate	mg SO4/l	S	1	0	>250	0	0			
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	6	6		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	4	6	>25.0	0	0.000	6.500	8.667	9.800
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	12	12		0	0.000	0.040	0.114	0.170
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.075	0.117
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	49.000	67.975	79.400
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	49.000	67.975	79.400
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.120	0.648	1.890
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	14.100	25.675	36.100
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

Population of zone = 3800

Water Supply Zone - Z4709 - Derrylin Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

This zone has a surface water source :R4701

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.006
Aluminium	ug Al/l	S	10	10	>200.0	0	0.000	< 1.000	< 28.100	106.000
Ammonium	mg NH4/l	S	10	12	>0.50	0	0.000	0.010	0.027	0.068
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.013	0.023
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	6.000	6.000	6.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	53.300	53.300	53.300
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.584	24.584	24.584
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug Cr/l	S	1	1	>50	0	0.000	< 0.400	< 0.400	< 0.400
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	15.231	300.000
Colony Counts 37 (48hrs)		S	52	52		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	40	0.000	< 0.010	< 2.631	6.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.400	< 5.600	15.500
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 5.000	< 5.000	< 5.000
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.020
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.025	< 0.088
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	63.709	63.709	63.709
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg	Cl/l	S	60	60		0	0.000	0.010	0.082	0.950
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4715 - Tattinbar Printed On 27-AUG-2004 : Water Service			: Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	44	9.50	0	0.000	6.480	7.643	9.070
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.000	< 14.100	30.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.009	< 0.009
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.025	0.060
Magnesium		S	1	1	>50.00	0	0.000	3.800	3.800	3.800
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	310	0.000	0.013	3.901	8.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.010	0.020
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 1.000	< 1.000	< 1.000
Nitrate	mg NO3/l	S	10	11	>50.00	0	0.000	1.370	2.369	4.665
Nitrite	mg NO2/l	S	10	11	>0.100	0	0.000	0.002	0.009	0.012
Odour	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.100	2.100	2.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	3.600	3.600	3.600
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.009	0.014
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	26.400	26.400	26.400
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	100.714	100.714	100.714
Surfactants	ug/l L.SO	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	12	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	44		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.010
Temperature	Deg C	S	10	13	>25.0	0	0.000	0.000	10.554	17.500
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	60	60		0	0.000	0.020	0.179	1.140
Total Coliforms	No./100ml	S	60	60	>0	1	1.667	0.000	0.033	2.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.072	0.112
Total Trihalomethanes	ug/l	S	4	12	>100.0	0	0.000	10.200	56.550	86.600
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.010	< 0.353	1.980
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 2.900	< 4.525	6.100
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.026	< 0.090
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.004	< 0.005

Commentary on Water Quality:

Population of zone = 22950

Water Supply Zone - Z4715 - Tattinbar Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

This zone has a surface water source :R4701

PCV Exceedences:
Sample failed 23-APR-2002 (Z4715AE) Total Coliforms = 2.

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

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	S	4	4	>3.00	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.005	< 0.005
Aluminium	ug Al/l	S	10	12	>200.0	0	0.000	< 1.000	< 14.083	56.000
Ammonium	mg NH4/l	S	10	12	>0.50	0	0.000	0.010	0.024	0.070
Antimony	ug Sb/l	S	1	1	>10.0	0	0.000	0.110	0.110	0.110
Arsenic	ug As/l	S	1	1	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	4	>0.10	0	0.000	0.009	0.014	0.021
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.028	< 0.028
Barium	ug Ba/l	S	1	1	>1000	0	0.000	23.000	23.000	23.000
Bentazone	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.0	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.0	0	0.000	< 0.090	< 0.090	< 0.090
Calcium		S	1	1	>250.0	0	0.000	25.900	25.900	25.900
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.835	24.835	24.835
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
Chromium	ug Cr/l	S	1	1	>50	0	0.000	1.050	1.050	1.050
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Colony Counts 22	No./l ml	S	52	52		0	0.000	0.000	5.885	83.000
Colony Counts 37 (48hrs)		S	52	52		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	40	0.000	0.000	1.750	4.000
Copper	ug Cu/l	S	4	4	>3000.0	0	0.000	< 1.000	< 6.525	11.800
Cyanide	ug CN/l	S	1	1	>50	0	0.000	< 0.500	< 0.500	< 0.500
Cypermethrum	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Diazinon	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
Dichlorophen	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.004
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.028	< 0.090
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.006
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	ug F/l	S	1	1	>1500	0	0.000	42.919	42.919	42.919
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Free - Residual disinfectmg Cl/l		S	84	84		0	0.000	0.000	0.094	0.410
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.004

Water Supply Zone - Z4716 - Killyhevlin 2 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.
Hydrogen Ion	pH value	S	42	42	9.50	0	0.000	6.370	7.492	8.480
Iron	ug Fe/l	I	36	36	>200	0	0.000	< 1.000	< 33.778	101.000
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.009	< 0.030	< 0.092
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.250	2.000
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.006	0.034	0.060
Magnesium		S	1	1	>50.00	0	0.000	3.000	3.000	3.000
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Manganese	ug Mn/l	S	10	10	>50.0	310	0.000	0.001	17.302	110.000
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.010
Mercury	ug Hg/l	S	1	1	>1.0	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.100	1.100	1.100
Nitrate	mg NO3/l	S	10	11	>50.00	0	0.000	1.370	2.498	4.460
Nitrite	mg NO2/l	S	10	11	>0.100	0	0.000	0.009	< 0.010	< 0.010
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Odour - Intensity		S	42	42		0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.500	1.500	1.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Phosphorous	ug P/l	S	1	1	>2200	0	0.000	< 50.000	< 50.000	< 50.000
Potassium		S	1	1	>12.00	0	0.000	1.900	1.900	1.900
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.0	0	0.000	1.100	1.100	1.100
Silver	ug Ag/l	S	1	1	>10.0	0	0.000	< 0.500	< 0.500	< 0.500
Simazine	ug/l	S	4	4	>0.100	0	0.000	< 0.005	< 0.009	0.014
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.300	9.300	9.300
Sulphate	mg SO4/l	S	1	1	>250	0	0.000	86.618	86.618	86.618
Surfactants	ug/l L.S.O	S	1	1	>200	0	0.000	< 20.000	< 20.000	< 20.000
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Taste - Intensity		S	42	42		0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.010
Temperature	Deg C	S	10	10	>25.0	0	0.000	0.000	10.840	15.700
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.010	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe	mg Cl/l	S	84	84		0	0.000	0.030	0.162	0.570
Total Coliforms	No./100ml	S	84	84	>0	1	1.190	0.000	0.048	4.000
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	4	>0.5000	0	0.000	< 0.050	< 0.070	0.082
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	37.100	52.200	72.100
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	37.100	52.200	72.100
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.600	< 0.600	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.005
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.000	0.479	2.260
Zinc	ug Zn/l	S	4	4	>5000	0	0.000	< 0.200	< 5.450	13.800
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	< 0.006
pp-DDT	ug/l	S	4	4		0	0.000	< 0.004	< 0.005	< 0.005

Commentary on Water Quality:

I: Increased frequency of analysis for Iron

Water Supply Zone - Z4716 - Killyhevlin 2 Printed On 27-AUG-2004 : Water Service : Period 01-JAN-2002 to 31-DEC-2002 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.

Population of zone = 33850

PCV Exceedences:
Sample failed 13-SEP-2002 (Z4716AE) Total Coliforms = 4.

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