

Water Supply Zone - Z1303 - Ballymena Borough  
 Printed On 26-APR-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.
Aluminium	ug Al/l	S	10	10	>200	0	0.000	< 0.100	< 20.942	49.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.008	0.031
Calcium		S	1	1	>250.0	0	0.000	27.300	27.300	27.300
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.511	17.511	17.511
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	> 28.019	>300.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	5.731	100.000
Colour	mg/l Pt/C	S	10	10	>20.00	40	0.000	1.100	2.700	4.300
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	13.500	461.350	1725.20
E_Coli	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	96	96		0	0.000	0.000	0.045	0.270
Hydrogen Ion	pH value	S	60	60	9.50	0	0.000	6.420	7.236	7.610
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 5.000	< 66.600	183.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.086	3.742	9.379
Magnesium		S	1	1	>50.00	0	0.000	5.500	5.500	5.500
Manganese	ug Mn/l	S	10	10	>50.0	500	0.000	< 2.000	< 4.388	7.538
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.107	1.320	2.851
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.007	0.018
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.170	3.170	3.170
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	64.000	64.000	64.000
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	2.600	2.600	2.600
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	8.900	8.900	8.900
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.200	1.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.400	12.100	18.100
Total - Residual disinfect	mg Cl/l	S	96	96		0	0.000	0.000	0.193	10.000
Total Coliforms	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	48.000	61.950	83.700
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.010	< 0.149	0.650
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	14.800	137.200	490.000

Commentary on Water Quality:

Population of zone = 37932

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

Water Supply Zone - Z1303C - Ballymena Borough Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.100	0.100	0.100
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	0.005	0.006	0.007
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	10.000	10.000	10.000
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	>10.00	0	0.000	< 0.100	< 1.175	3.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	13.000	13.000	13.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.007
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.080	1.080	1.080
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z1303C - Ballymena Borough Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.003	0.006	0.009
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 37932

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

Water Supply Zone - Z1305 - Oaklands  
 Printed On 26-APR-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	15.260	38.883	86.830
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.016	0.042
Calcium		S	1	1	>250.0	0	0.000	14.800	14.800	14.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	11.805	11.805	11.805
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	24.500	141.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	4.333	23.000
Colour	mg/l Pt/C	S	4	4	>20.00	40	0.000	2.000	3.125	4.300
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	9.800	43.175	126.300
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.010	0.151	0.740
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	6.730	7.273	7.860
Iron	ug Fe/l	I	12	12	>200	0	0.000	< 5.000	< 23.417	122.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.100	2.264	8.440
Magnesium		S	1	1	>50.00	0	0.000	2.800	2.800	2.800
Manganese	ug Mn/l	S	4	4	>50.0	500	0.000	< 2.000	< 7.705	13.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.325	1.291	2.231
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	4	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
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	5.600	5.600	5.600
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	7.600	9.900	11.600
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.030	0.184	0.750
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	1	8.333	52.300	66.158	108.300
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.048	< 0.090
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	8.800	33.625	83.300

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 669

PCV Exceedences:

Sample failed 03-JUL-2003 (Z1305AE) Total Trihalomethanes = 108.3 ug/l.

Notes:

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

Water Supply Zone - Z1305C - Oaklands Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.008
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	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.125	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1311 - Moyola  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	12.260	59.187	103.130
Ammonium	mg NH4/l	I	36	36	>0.50	0	0.000	< 0.000	< 0.013	0.098
Calcium		S	1	1	>250.0	0	0.000	33.500	33.500	33.500
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.635	21.635	21.635
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	8.019	292.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	12.288	248.000
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.400	< 1.880	3.000
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	22.600	32.125	45.100
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.000	0.246	0.950
Hydrogen Ion	pH value	S	42	42	9.50	0	0.000	7.010	7.623	8.210
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.000	< 36.300	102.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.100	1.390	4.487
Magnesium		S	1	1	>50.00	0	0.000	7.100	7.100	7.100
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 1.000	< 8.366	21.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.242	1.674	4.821
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.022	0.050
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.100	1.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.100	2.100	2.100
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	5.000	5.000	5.000
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	50.000	50.000	50.000
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.100	1.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.800	12.870	17.200
Total - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.020	0.378	0.960
Total Coliforms	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	28.800	61.942	99.800
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.010	< 0.132	0.410
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	5.700	15.800	30.600

Commentary on Water Quality:

I: Increased frequency of analysis for Ammonium, Total Trihalomethanes

Population of zone = 33696

This zone has a surface water source :R1301

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 - Z1311C - Moyola Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	5	>0.1	0	0.000	< 0.200	< 0.260	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	2	>10.00	0	0.000	0.200	0.250	0.300
Arsenic	ug As/l	S	1	2	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	0.012	0.014	0.018
Azinphos methyl	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.019	< 0.028
Barium	ug Ba/l	S	1	2	>1000.00	0	0.000	18.000	18.500	19.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	2	>2000.00	0	0.000	19.000	19.000	19.000
Cadmium	ug Cd/l	S	1	2	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.011	< 0.015
Chlorpropham	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.005	< 0.007
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	2	>50.00	0	0.000	0.790	0.790	0.790
Clopyralid	ug/l	S	4	5	>0.10	0	0.000	< 0.020	< 0.022	0.032
Cyanide	ug CN/l	S	1	2	>50.00	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	< 0.002	< 0.005	< 0.007
Dicamba	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.007	0.010
Dichlorbenil	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.005	< 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	< 0.002	< 0.010	< 0.015
Dieldrin	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
Endosulphan-b	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.011	< 0.015
Fenpropimorph	ug/l	S	4	5	>0.10	0	0.000	< 0.007	< 0.015	< 0.020
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.014	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.009
MCPA	ug/l	I	12	7	>0.10	0	0.000	0.010	0.022	0.040
Malathion	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.014	< 0.021
Mecoprop (MCP)	ug/l	S	4	5	>0.10	0	0.000	0.016	< 0.034	< 0.095
Mercury	ug Hg/l	S	1	2	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	2	>50.00	0	0.000	4.200	4.340	4.480
Parathion	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.009	< 0.013
Pentachlorophenol	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.011	< 0.017
Selenium	ug Se/l	S	1	2	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	2	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z1311C - Moyola Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	0.007	0.011	0.014
Surfactants ug/l L.SO	S	1	2	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.006	< 0.010
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.260	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	5	>0.20	1	20.000	< 0.020	< 0.058	0.210
Total Pesticides ug/l	S	4	5	>0.50	0	0.000	< 0.050	< 0.069	0.086
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.440	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

I: Increased frequency of analysis for MCPA

Population of zone = 33696

This zone has a surface water source :R1301

PCV Exceedences:

Sample failed 11-AUG-2003 (Z1311AEC) Total PAH = 0.21 ug/l.

Notes:

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



Water Supply Zone - Z1312 - Lough Fea  
 Printed On 26-APR-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	2	8.333	< 0.500	< 61.203	440.490
Ammonium	mg NH4/l	I	24	24	>0.50	0	0.000	< 0.000	< 0.023	0.131
Calcium		S	1	1	>250.0	0	0.000	23.100	23.100	23.100
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	10.537	10.537	10.537
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	88.646	3154.00
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	2.688	94.000
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	< 0.400	< 1.417	2.400
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 4.300	< 81.650	147.000
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.175	0.630
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.400	7.588	9.080
Iron	ug Fe/l	I	24	24	>200	1	4.167	< 4.000	< 42.333	282.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.010	3.268	12.860
Magnesium		S	1	1	>50.00	0	0.000	1.600	1.600	1.600
Manganese	ug Mn/l	S	6	6	>50.0	0	0.000	< 0.000	< 4.031	9.183
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.185	0.567	0.887
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	0.011	0.015	0.020
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.500	3.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.230	2.230	2.230
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 2.000	< 2.000	< 2.000
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	4.900	4.900	4.900
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.500	3.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.300	12.533	17.500
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.230	0.700
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	22.800	51.017	73.800
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.000	< 0.080	0.170
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	38.200	90.975	140.000

Commentary on Water Quality:

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

Population of zone = 18588

This zone has a surface water source :R1302

PCV Exceedences:

Sample failed 06-JAN-2003 (Z1312AE) Aluminium = 239.35.  
 Sample failed 14-JAN-2003 (Z1312AE) Aluminium = 440.49.  
 Sample failed 07-AUG-2003 (Z1312AE) Iron = 282.

Water Supply Zone - Z1312C - Lough Fea Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.125	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.490	0.490	0.490
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.002	0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	I	12	8	>0.10	0	0.000	< 0.004	< 0.008	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.013	0.030
Mercury	ug Hg/l	S	1	1	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1312C - Lough Fea Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

I: Increased frequency of analysis for MCPA

Population of zone = 18588

This zone has a surface water source :R1302

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 - Z1314 - Bellaghy  
 Printed On 26-APR-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	< 0.220	< 5.332	15.430
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.005	0.030
Calcium		S	1	1	>250.0	0	0.000	12.500	12.500	12.500
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	14.188	14.188	14.188
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	48.938	2283.00
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	1.583	58.000
Colour	mg/l Pt/C	S	6	6	>20.00 40	0	0.000	< 0.200	< 0.767	1.900
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 2.100	<121.500	402.800
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfectant	mg Cl/l	S	48	48		0	0.000	0.000	0.457	18.000
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.850	7.324	7.990
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 3.000	< 24.167	103.000
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	0.100	0.124	0.172
Magnesium		S	1	1	>50.00	0	0.000	2.100	2.100	2.100
Manganese	ug Mn/l	S	6	6	>50.0 500	0	0.000	< 0.000	< 2.993	6.255
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	22.518	27.423	30.309
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	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
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.100	7.100	7.100
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.000	11.233	16.300
Total - Residual disinfectant	mg Cl/l	S	48	48		0	0.000	0.020	0.126	0.370
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	23.400	27.875	35.300
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.020	< 0.088	0.180
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 3.400	< 17.475	31.100

Commentary on Water Quality:

Population of zone = 13746

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

Water Supply Zone - Z1314C - Bellaghy Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.010	0.010
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 1.675	6.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	3.370	3.370	3.370
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.033	< 0.083
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.002	0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.800	1.800	1.800
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1314C - Bellaghy Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.002	0.006	0.013
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.070	0.150
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	0.010

Commentary on Water Quality:

Population of zone = 13746

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

Water Supply Zone - Z1316 - Buckna  
 Printed On 26-APR-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	< 0.100	< 2.695	< 7.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.008	0.030
Calcium		S	1	1	>250.0	0	0.000	30.500	30.500	30.500
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	15.066	15.066	15.066
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	1.333	12.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	0.250	2.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.100	< 0.300	< 0.600
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 2.500	<171.300	534.100
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfectant	mg Cl/l	S	12	12		0	0.000	0.010	0.504	1.030
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	6.670	6.980	7.450
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 1.000	< 5.000	15.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.400	8.056	25.020
Magnesium		S	1	1	>50.00	0	0.000	13.600	13.600	13.600
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 0.100	< 1.788	< 2.728
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	10.361	13.162	15.707
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	0.750	3.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.370	2.370	2.370
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.500	11.500	11.500
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.750	3.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.400	11.250	13.100
Total - Residual disinfectant	mg Cl/l	S	12	12		0	0.000	0.020	0.539	1.030
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	9.500	15.875	30.500
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.000	< 0.018	< 0.050
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.900	< 12.950	34.700

Commentary on Water Quality:

Population of zone = 4782

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 - Z1316C - Buckna Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	5	>0.10	0	0.000	0.002	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	5	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.007
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	1.370	1.370	1.370
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Dicamba	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.014	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.009
MCPA	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.023	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.570	0.570	0.570
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230



Water Supply Zone - Z1316C - Buckna Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	0.002	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.006	< 0.010
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.260	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.440	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 4782

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 - Z1317 - Mormeal  
 Printed On 26-APR-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	27.610	55.482	87.450
Ammonium	mg NH4/l	I	24	24	>0.50	0	0.000	< 0.000	< 0.025	0.255
Calcium		S	1	1	>250.0	0	0.000	27.400	27.400	27.400
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.570	18.570	18.570
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	48.208	1300.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	1.375	32.000
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	< 0.500	< 1.433	2.600
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	17.800	43.650	93.500
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.179	1.090
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.880	7.611	8.010
Iron	ug Fe/l	S	6	6	>200	0	0.000	25.000	40.000	69.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.100	0.549	0.983
Magnesium		S	1	1	>50.00	0	0.000	3.000	3.000	3.000
Manganese	ug Mn/l	S	6	6	>50.0	0	0.000	< 1.000	< 5.523	7.900
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.392	2.383	4.384
Nitrite	mg NO2/l	I	24	24	>0.100	0	0.000	< 0.000	< 0.017	0.040
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.333	2.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.570	1.570	1.570
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	5.100	5.100	5.100
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	23.900	23.900	23.900
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.333	2.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.200	12.233	21.200
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.254	1.110
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	22.400	65.558	94.300
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.050	< 0.118	0.150
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	8.000	42.375	136.500

Commentary on Water Quality:

I: Increased frequency of analysis for Ammonium, Nitrite, Total Trihalomethanes

Population of zone = 10329

This zone has a surface water source :R1301

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 - Z1317C - Mormeal Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	0.013	0.019
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.125	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.025	0.040
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.008	< 0.017
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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.034	< 0.088
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.020	0.038	0.090
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.018	0.040
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.270	1.270	1.270
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z1317C - Mormeal Contract Analysis  
 Printed On 26-APR-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.007	0.008	0.011
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	0.060	0.063	0.070
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.079	0.165
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 10329

This zone has a surface water source :R1301

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 - Z1318 - Dungonnell II  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	< 8.670	< 35.770	60.280
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.014	0.064
Calcium		S	1	1	>250.0	0	0.000	12.000	12.000	12.000
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	14.555	14.555	14.555
Colony Counts 22	No./l ml	S	48	46		0	0.000	0.000	> 84.891	>1730.00
Colony Counts 37 (48hrs)	No./l ml	S	48	47		0	0.000	0.000	34.064	1286.00
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	< 0.400	< 1.633	3.400
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	13.900	30.925	52.500
E_Coli	No./100ml	S	48	47	>0	1	2.128	0.000	0.021	1.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.010	0.076	0.660
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.880	7.409	8.400
Iron	ug Fe/l	I	24	24	>200	2	8.333	< 1.000	<144.458	1291.00
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.080	1.512	5.550
Magnesium		S	1	1	>50.00	0	0.000	2.100	2.100	2.100
Manganese	ug Mn/l	S	6	6	>50.0	0	0.000	< 1.000	< 4.366	8.720
Nitrate	mg NO3/l	I	24	23	>50.00	0	0.000	0.113	4.267	36.956
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.004	0.026
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.810	1.810	1.810
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.500	7.500	7.500
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.167	1.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.200	8.783	11.300
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.010	0.119	0.750
Total Coliforms	No./100ml	S	48	47	>0	1	2.128	0.000	0.021	1.000
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.000	< 0.205	0.620
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.700	< 9.475	13.400

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Nitrate

Population of zone = 18690

PCV Exceedences:

- Sample failed 01-JUL-2003 (Z1318AE) E\_Coli = 1 No./100m.
- Sample failed 01-APR-2003 (Z1318AE) Iron = 1291.
- Sample failed 15-APR-2003 (Z1318AE) Iron = 818 ug Fe/.
- Sample failed 01-JUL-2003 (Z1318AE) Total Coliforms = 1 No./100m.

Water Supply Zone - Z1318C - Dungonnell II Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	5	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.017
Dicamba	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.031	< 0.088
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.009
MCPA	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.005	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z1318C - Dungonnell II Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.280	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	5	>0.20	0	0.000	< 0.020	< 0.030	0.070
Total Pesticides ug/l	S	4	5	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.520	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 18690

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 - Z1319 - Unagh  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	27.000	58.955	98.960
Ammonium	mg NH4/l	I	24	24	>0.50	0	0.000	< 0.000	< 0.010	0.049
Calcium		S	1	1	>250.0	0	0.000	31.800	31.800	31.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.035	21.035	21.035
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	29.167	355.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	1.729	35.000
Colour	mg/l Pt/C	S	6	6	>20.00 50	0	0.000	1.300	1.917	2.700
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	17.100	53.875	144.600
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 8.294	< 8.294	< 8.294
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.090	0.410
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.830	7.606	8.110
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 6.000	< 31.667	72.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.100	0.304	0.715
Magnesium		S	1	1	>50.00	0	0.000	7.400	7.400	7.400
Manganese	ug Mn/l	S	6	6	>50.0 500	0	0.000	5.000	6.275	12.230
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.263	2.661	6.146
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	0.016	0.028	0.047
Odour	Diln No	S	6	6	>3 4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.110	2.110	2.110
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	3.900	3.900	3.900
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	28.100	28.100	28.100
Taste	Diln No	S	6	6	>3 4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.200	11.450	17.000
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.040	0.186	0.460
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	48.300	69.718	91.600
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.010	< 0.092	0.210
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 3.900	< 22.625	70.300

Commentary on Water Quality:

I: Increased frequency of analysis for Ammonium, Total Trihalomethanes

Population of zone = 12645

This zone has a surface water source :R1301

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 - Z1319C - Unagh Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.280	2.280	2.280
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	5	>0.10	0	0.000	0.011	0.013	0.015
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	5	>10.00	0	0.000	< 0.100	< 0.280	1.000
Boron	ug B/l	S	1	1	>2000.00	0	0.000	13.000	13.000	13.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.007
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.430	0.430	0.430
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Dicamba	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.018	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.009
MCPA	ug/l	S	4	5	>0.10	0	0.000	0.010	0.022	0.040
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	5	>0.10	0	0.000	0.010	< 0.048	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	3.700	3.700	3.700
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1319C - Unagh Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	0.009	0.011	0.013
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.280	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.065	0.109
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.520	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.005	0.010

Commentary on Water Quality:

Population of zone = 12645

This zone has a surface water source :R1301

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 - Z1329 - Diamond Pomeroy  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	40.340	68.460	140.390
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.002	0.009
Calcium		S	1	1	>250.0	0	0.000	13.900	13.900	13.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.019	18.019	18.019
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	39.167	245.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	0.583	4.000
Colour	mg/l Pt/C	S	4	4	>20.00 50	0	0.000	< 0.100	< 0.700	1.600
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 3.500	< 11.725	17.600
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.010	0.126	0.430
Hydrogen Ion	pH value	S	6	6	9.50	0	0.000	7.200	8.033	9.010
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 7.000	< 28.250	71.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.082	1.341	5.100
Magnesium		S	1	1	>50.00	0	0.000	2.400	2.400	2.400
Manganese	ug Mn/l	S	4	4	>50.0 500	0	0.000	< 2.000	< 7.086	19.050
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.076	0.544	0.828
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.008	0.018
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.130	1.130	1.130
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	1.000	1.000	1.000
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.000	9.000	9.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	11.200	12.825	15.000
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.010	0.171	0.570
Total Coliforms	No./100ml	S	12	12	>0	1	8.333	0.000	0.333	4.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	49.100	62.750	74.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.050	< 0.133	0.300
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.900	< 6.850	11.400

Commentary on Water Quality:

Population of zone = 1134

PCV Exceedences:

Sample failed 03-APR-2003 (Z1329AE) Total Coliforms = 4.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z1329C - Diamond Pomeroy Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	2	>0.1	0	0.000	< 0.300	< 0.300	< 0.300
Aldrin	ug/l	S	4	2	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	1	>1000.00	0	0.000	11.000	11.000	11.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	2	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	2	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.690	0.690	0.690
Clopyralid	ug/l	S	4	2	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.055	< 0.088
Gamma-HCH (Lindane)	ug/l	S	4	2	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	I	12	10	>0.10	0	0.000	< 0.004	< 0.013	0.030
Malathion	ug/l	S	4	2	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCP)	ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.00	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
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
Propetamphos	ug/l	S	4	2	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z1329C - Diamond Pomeroy Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	2	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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 PAH ug/l	S	4	2	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides ug/l	S	4	2	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
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	< 0.004
op-DDT ug/l	S	4	2	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	2	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

I: Increased frequency of analysis for MCPA

Population of zone = 1134

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 - Z1515 - Tardree  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	0	0.000	< 0.010	< 85.750	185.740
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.014	0.030
Calcium		S	1	1	>250.0	0	0.000	20.800	20.800	20.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.641	17.641	17.641
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	65.625	1357.00
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	7.917	112.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	1.800	2.575	4.300
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 3.300	<108.075	245.600
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	24	23		0	0.000	0.010	0.133	0.860
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.920	7.358	7.700
Iron	ug Fe/l	S	4	4	>200	1	25.000	< 9.000	<148.250	545.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.108	3.602	10.700
Magnesium		S	1	1	>50.00	0	0.000	6.000	6.000	6.000
Manganese	ug Mn/l	S	4	4	>50.0	1	25.000	< 1.427	< 14.604	51.990
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.210	1.582	1.814
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.008	0.017
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.500	2.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.490	2.490	2.490
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.600	0.600	0.600
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	9.000	9.000	9.000
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.750	3.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	9.000	12.275	16.000
Total - Residual disinfect	mg Cl/l	S	24	23		0	0.000	0.020	0.172	0.910
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	25.800	63.718	86.200
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.040	< 0.668	2.460
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 2.100	<170.075	543.600

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes

Population of zone = 7593

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 18-DEC-2003 (Z1515AE) Iron = 545 ug Fe/.  
 Sample failed 18-DEC-2003 (Z1515AE) Manganese = 52.0 ug Mn.

Water Supply Zone - Z1515 - Tardree  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 incl.

Water Supply Zone - Z1515C - Tardree Contract Analysis  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.800	0.800	0.800
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	< 0.001	< 0.006	0.012
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	17.000	17.000	17.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.008	< 0.017
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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	0.000	< 0.002	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.034	< 0.088
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.002	0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.730	0.730	0.730
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z1515C - Tardree Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.005	0.007
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.035	0.040
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 7593

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



Water Supply Zone - Z1516 - Dunore I  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	< 0.000	< 13.418	111.800
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.031	0.104
Calcium		S	1	1	>250.0	0	0.000	32.800	32.800	32.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.824	21.824	21.824
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	16.692	335.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	9.135	142.000
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	1.700	3.710	6.500
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	18.300	103.300	238.600
E_Coli	No./100ml	S	108	108	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	30.795	30.795	30.795
Free - Residual disinfectant	mg Cl/l	S	108	108		0	0.000	0.010	0.134	0.560
Hydrogen Ion	pH value	S	60	59	9.50	0	0.000	6.770	7.202	7.710
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 5.000	< 17.700	33.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.200	0.416	0.720
Magnesium		S	1	1	>50.00	0	0.000	3.900	3.900	3.900
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 0.100	< 3.847	7.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.502	2.773	4.670
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.011	0.024
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.450	3.450	3.450
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	3.900	3.900	3.900
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.600	7.600	7.600
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	7.200	10.430	13.700
Total - Residual disinfectant	mg Cl/l	S	108	108		0	0.000	0.030	0.195	0.640
Total Coliforms	No./100ml	S	108	108	>0	3	2.778	0.000	0.046	3.000
Total Trihalomethanes	ug/l	I	24	21	>100.0	0	0.000	38.200	59.157	89.900
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.000	< 0.087	0.220
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.700	< 37.075	111.300

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 40929

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 11-JUL-2003 (Z1516AE) Total Coliforms = 1 No./100m.  
 Sample failed 11-JUL-2003 (Z1516AE) Total Coliforms = 1 No./100m.  
 Sample failed 06-AUG-2003 (Z1516AE) Total Coliforms = 3 No./100m.

Water Supply Zone - Z1516C - Dunore I Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	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	5	>0.10	0	0.000	0.009	0.011	0.011
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	5	>10.00	1	20.000	< 0.100	< 11.900	59.000
Boron	ug B/l	S	1	1	>2000.00	0	0.000	22.000	22.000	22.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.007
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.610	0.610	0.610
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.007
Dicamba	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.018	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.009
MCPA	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.023	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.280	1.280	1.280
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z1516C - Dunore I Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	0.006	0.009	0.010
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.280	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	8	>0.20	1	12.500	< 0.020	< 0.120	0.820
Total Pesticides ug/l	S	4	5	>0.50	0	0.000	< 0.050	< 0.060	0.099
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.520	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 40929

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 10-FEB-2003 (Z1516AEC) Benzo 3 4 pyrene = 59.0 ng/l.  
 Sample failed 10-FEB-2003 (Z1516AEC) Total PAH = 0.82 ug/l.

Notes:

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

Water Supply Zone - Z1518 - Dunore III  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	< 0.010	< 0.528	< 1.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.011	0.030
Calcium		S	1	1	>250.0	0	0.000	34.000	34.000	34.000
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.810	21.810	21.810
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	8.667	150.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	4.250	16.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	1.700	3.175	5.600
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	11.300	78.775	182.400
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	29.782	29.782	29.782
Free - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.020	0.148	0.350
Hydrogen Ion	pH value	S	12	11	9.50	0	0.000	6.920	7.326	7.830
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 6.000	< 24.000	67.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.100	0.111	0.122
Magnesium		S	1	1	>50.00	0	0.000	7.600	7.600	7.600
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 0.943	< 2.243	4.027
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.760	3.105	3.930
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.014	0.034
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.250	1.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.530	3.530	3.530
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	3.800	3.800	3.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.100	10.100	10.100
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.250	1.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	6.000	10.800	15.000
Total - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.070	0.224	0.460
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	36.300	68.118	99.900
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.070	< 0.100	0.150
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 3.100	< 8.100	21.500

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 9504

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

Water Supply Zone - Z1518C - Dunore III Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	0.016	0.028
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.225	0.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	16.000	16.000	16.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.580	0.580	0.580
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.008	< 0.017
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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.034	< 0.088
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.000	0.005	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	2.200	2.200	2.200
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1518C - Dunore III Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.005	0.011	0.021
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.052	0.056
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 9504

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

Water Supply Zone - Z1519 - Killylane  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	1	10.000	34.000	109.853	206.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.013	0.039
Calcium		S	1	1	>250.0	0	0.000	20.800	20.800	20.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.621	17.621	17.621
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	163.750	5001.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	7.192	320.000
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	2.000	3.490	5.300
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 0.700	< 10.600	21.500
E_Coli	No./100ml	S	108	108	>0	1	0.926	0.000	0.009	1.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	108	108		0	0.000	0.000	0.096	0.640
Hydrogen Ion	pH value	S	60	59	9.50	0	0.000	6.960	7.799	8.930
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.000	< 24.300	79.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.261	3.277	6.600
Magnesium		S	1	1	>50.00	0	0.000	6.000	6.000	6.000
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 0.100	< 3.084	5.801
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.880	1.260	1.723
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.013	0.023
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.660	1.660	1.660
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	0.600	0.600	0.600
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	8.900	8.900	8.900
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.100	1.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.200	10.590	16.000
Total - Residual disinfect	mg Cl/l	S	108	108		0	0.000	0.010	0.126	0.680
Total Coliforms	No./100ml	S	108	108	>0	2	1.852	0.000	0.037	2.000
Total Trihalomethanes	ug/l	I	24	24	>100.0	3	12.500	23.300	76.892	115.300
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.000	< 0.036	< 0.050
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 1.800	< 10.125	32.100

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 44349

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 22-NOV-2003 (Z1519AE) Aluminium = 206 ug Al/.  
 Sample failed 10-JUL-2003 (Z1519AE) E\_Coli = 1 No./100m.  
 Sample failed 10-JUL-2003 (Z1519AE) Total Coliforms = 2 No./100m.  
 Sample failed 15-NOV-2003 (Z1519AE) Total Coliforms = 2 No./100m.  
 Sample failed 19-DEC-2003 (Z1519AE) Total Trihalomethanes = 115.3 ug/l.  
 Sample failed 19-DEC-2003 (Z1519AE) Total Trihalomethanes = 104.0 ug/l.  
 Sample failed 20-NOV-2003 (Z1519AE) Total Trihalomethanes = 109.9 ug/l.

Water Supply Zone - Z1519C - Killylane Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.100	0.100	0.100
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 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	>1000.00	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	5	>10.00	0	0.000	< 0.100	< 0.140	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	4	>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	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	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.052	< 0.083
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.009
MCPA	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.035	< 0.087
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200



Water Supply Zone - Z1519C - Killylane Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.010	< 0.040	< 0.085
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.280	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.520	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 44349

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

Water Supply Zone - Z1520 - Dunore IV  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	< 1.000	< 20.933	91.970
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.020	0.070
Calcium		S	1	1	>250.0	0	0.000	24.500	24.500	24.500
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Colony Counts 22	No./l ml	S	48	48		0	0.000	0.000	83.500	2811.00
Colony Counts 37 (48hrs)	No./l ml	S	48	48		0	0.000	0.000	4.688	58.000
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	2.100	3.667	5.100
Copper	ug Cu/l	S	4	3	>3000.00	0	0.000	< 1.300	<155.000	462.400
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	0	>1500.00	0	0			
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.096	0.460
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.810	7.411	8.510
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 10.000	< 31.500	107.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.100	0.609	1.652
Magnesium		S	1	1	>50.00	0	0.000	6.000	6.000	6.000
Manganese	ug Mn/l	S	6	6	>50.0	0	0.000	< 2.000	< 3.638	7.927
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.707	2.909	4.499
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	0.021	0.034	0.077
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	2.800	2.800	2.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.100	10.100	10.100
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.900	10.367	14.300
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.020	0.151	0.520
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	2	16.667	45.800	74.108	125.600
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.070	< 0.118	0.210
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 4.200	< 27.067	72.700

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 13431

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 22-NOV-2003 (Z1520AE) Total Trihalomethanes = 125.6 ug/l.

Sample failed 19-NOV-2003 (Z1520AE) Total Trihalomethanes = 102.3 ug/l.

Water Supply Zone - Z1520C - Dunore IV Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.500	0.500	0.500
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	< 0.009	0.014
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.150	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	16.000	16.000	16.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.008	< 0.017
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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z1520C - Dunore IV Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Simazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Surfactants	ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene	ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH	ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.055	0.160
Total Pesticides	ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 13431

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

Water Supply Zone - Z1702 - Altnahinch  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	21.460	51.855	127.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.008	0.030
Calcium		S	1	1	>250.0	0	0.000	26.700	26.700	26.700
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.083	18.083	18.083
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	10.731	337.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	1.385	48.000
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	1.500	3.540	5.800
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	6.500	7.800	11.100
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	84	82		0	0.000	0.000	0.094	0.840
Hydrogen Ion	pH value	S	42	42	9.50	0	0.000	6.440	7.362	8.730
Iron	ug Fe/l	I	36	36	>200	9	25.000	< 9.000	<145.333	1121.00
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.100	0.414	1.200
Magnesium		S	1	1	>50.00	0	0.000	3.000	3.000	3.000
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 0.100	< 4.172	8.555
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.533	0.889	1.162
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.004	0.020
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.300	1.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.180	2.180	2.180
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	5.300	5.300	5.300
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.400	11.400	11.400
Taste	Diln No	S	10	10	>3	0	0.000	0.200	0.200	1.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	0.040	7.744	12.000
Total - Residual disinfect	mg Cl/l	S	84	82		0	0.000	0.010	0.125	0.880
Total Coliforms	No./100ml	S	84	84	>0	1	1.190	0.000	0.024	2.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	3	25.000	4.500	72.283	155.300
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.010	< 0.206	0.370
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 4.140	< 9.147	12.300

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 34800

PCV Exceedences:

Sample failed 20-MAR-2003 (Z1702AE) Iron = 300.  
 Sample failed 16-APR-2003 (Z1702AE) Iron = 217 ug Fe/.  
 Sample failed 11-JUN-2003 (Z1702AE) Iron = 216 ug Fe/.  
 Sample failed 30-JUL-2003 (Z1702AE) Iron = 251 ug Fe/.  
 Sample failed 06-DEC-2003 (Z1702AE) Iron = 224 ug Fe/.  
 Sample failed 06-DEC-2003 (Z1702AE) Iron = 1121 ug Fe.  
 Sample failed 29-OCT-2003 (Z1702AE) Iron = 317 ug Fe/.  
 Sample failed 19-NOV-2003 (Z1702AE) Iron = 286 ug Fe/.  
 Sample failed 26-NOV-2003 (Z1702AE) Iron = 211 ug Fe/.  
 Sample failed 22-JUL-2003 (Z1702AE) Total Coliforms = 2 No./100m.  
 Sample failed 02-JUL-2003 (Z1702AE) Total Trihalomethanes = 102.6 ug/l.  
 Sample failed 06-AUG-2003 (Z1702AE) Total Trihalomethanes = 120.0 ug/l.  
 Sample failed 05-NOV-2003 (Z1702AE) Total Trihalomethanes = 105.8 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z1702C - Altnahinch Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.008	< 0.017
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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1702C - Altnahinch Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.003	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 34800

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 - Z1703 - Drumabest  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	< 0.010	< 25.398	50.260
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.004	0.015
Calcium		S	1	1	>250.0	0	0.000	34.300	34.300	34.300
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.508	18.508	18.508
Colony Counts 22	No./1 ml	S	24	23		0	0.000	0.000	7.739	83.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	26.750	446.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.010	< 1.803	4.700
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 3.400	< 11.700	22.700
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.010	0.210	0.360
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.710	7.034	7.900
Iron	ug Fe/l	I	24	24	>200	0	0.000	< 0.100	< 25.254	178.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.200	0.366	0.631
Magnesium		S	1	1	>50.00	0	0.000	9.900	9.900	9.900
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 0.175	< 1.919	3.394
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.927	7.614	17.720
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.004	0.014
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.750	2.000
Oxidizability	mg O2/l	I	12	12	>5.00	1	8.333	< 0.090	< 1.563	8.060
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	1	100.00	18.900	18.900	18.900
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	16.200	16.200	16.200
Taste	Diln No	S	4	4	>3	0	0.000	0.500	0.500	1.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.100	9.025	10.000
Total - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.010	0.262	0.490
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	6.300	23.000	95.200
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.123	0.310
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 0.000	< 4.367	8.400

Commentary on Water Quality:

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

Population of zone = 7710

PCV Exceedences:

Sample failed 02-JAN-2003 (Z1703AE) Oxidizability = 8.1.

Sample failed 03-SEP-2003 (Z1703AE) Potassium = 18.9.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point



Water Supply Zone - Z1703C - Drumabest Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.008	< 0.017
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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1703C - Drumabest Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.003	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	0.020	0.025	0.030
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 7710

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 - Z1708 - Rathlin  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	3	>200	0	0.000	< 0.100	< 0.980	< 1.840
Ammonium	mg NH4/l	S	4	3	>0.50	0	0.000	< 0.000	< 0.000	< 0.000
Calcium		S	1	0	>250.0	0	0			
Chloride	mg Cl/l	S	1	0	>400.00	0	0			
Colony Counts 22	No./1 ml	S	12	11		0	0.000	0.000	120.182	612.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	11		0	0.000	0.000	7.636	35.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	0.800	4.750	9.500
Copper	ug Cu/l	S	4	2	>3000.00	0	0.000	20.600	22.850	25.100
E_Coli	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	0	>1500.00	0	0			
Free - Residual disinfect	mg Cl/l	S	12	11		0	0.000	0.020	0.416	1.500
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.240	7.903	8.490
Iron	ug Fe/l	S	4	4	>200	0	0.000	16.000	61.250	106.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.300	1.305	3.010
Magnesium		S	1	0	>50.00	0	0			
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	3.000	5.141	7.090
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	0.070	0.153	0.290
Nitrite	mg NO2/l	S	4	3	>0.100	0	0.000	< 0.000	< 0.005	0.016
Odour	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	0	>5.00	0	0			
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	0	>12.00	0	0			
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Taste	Diln No	S	4	3	>3	0	0.000	0.000	1.000	2.000
Temperature	Deg C	S	4	3	>25.0	0	0.000	0.000	6.000	9.000
Total - Residual disinfect	mg Cl/l	S	12	11		0	0.000	0.010	0.366	1.500
Total Coliforms	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	4	36.364	24.700	72.973	155.200
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.030	< 0.118	0.250
Zinc	ug Zn/l	S	4	2	>5000.00	0	0.000	35.200	51.300	67.400

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 18

This zone has a surface water source :R1706

PCV Exceedences:

Sample failed 03-FEB-2003 (Z1708AE) Total Trihalomethanes = 155.200.  
 Sample failed 03-MAR-2003 (Z1708AE) Total Trihalomethanes = 128.6.  
 Sample failed 31-MAR-2003 (Z1708AE) Total Trihalomethanes = 111.0.  
 Sample failed 02-JUN-2003 (Z1708AE) Total Trihalomethanes = 102.7 ug/l.

Water Supply Zone - Z1708C - Rathlin Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.250	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.200	0.200	0.200
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	< 0.001	< 0.003	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	5.000	5.000	5.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	22.000	22.000	22.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.010	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.004	< 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	< 0.002	< 0.005	< 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	< 0.002	< 0.008	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.010	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.014	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.013	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.012	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.008	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.009	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z1708C - Rathlin Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.006	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.250	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.400	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 18

This zone has a surface water source :R1706

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 - Z1709 - Ballinrees I  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	< 1.000	< 41.512	141.670
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.010	0.035
Calcium		S	1	1	>250.0	0	0.000	49.300	49.300	49.300
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.329	22.329	22.329
Colony Counts 22	No./1 ml	S	52	50		0	0.000	0.000	118.040	4721.00
Colony Counts 37 (48hrs)	No./1 ml	S	52	51		0	0.000	0.000	> 13.765	>500.000
Colour	mg/l Pt/C	S	10	10	>20.00	50	0.000	< 0.700	< 1.630	2.900
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	11.600	29.725	51.000
E_Coli	No./100ml	S	60	59	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfectant	mg Cl/l	S	60	58		0	0.000	0.000	0.080	0.970
Hydrogen Ion	pH value	S	42	42	9.50	0	0.000	6.810	7.530	8.290
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.000	< 27.200	58.000
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	0.010	9.647	28.530
Magnesium		S	1	1	>50.00	0	0.000	3.600	3.600	3.600
Manganese	ug Mn/l	S	10	10	>50.0	500	0.000	< 1.000	< 7.512	33.560
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	< 0.000	< 1.068	2.640
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.009	0.022
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.750	1.750	1.750
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	10.000	10.000	10.000
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.900	11.900	11.900
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.100	1.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	7.500	9.500	12.000
Total - Residual disinfectant	mg Cl/l	S	60	58		0	0.000	0.010	0.145	1.090
Total Coliforms	No./100ml	S	60	59	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	60.100	62.750	63.800
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.000	< 0.082	0.200
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 5.000	< 59.800	161.200

Commentary on Water Quality:

Population of zone = 24357

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 - Z1709C - Ballinrees I Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.012
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.275	0.800
Boron	ug B/l	S	1	1	>2000.00	0	0.000	12.000	12.000	12.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.007
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.670	0.670	0.670
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.023	0.030
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.007	0.010
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.020	0.030
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	0.010	< 0.031	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1709C - Ballinrees I Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.009
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.051	0.052
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 24357

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 - Z1710 - Ballinrees II  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	< 5.930	< 26.875	45.480
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.004	0.026
Calcium		S	1	1	>250.0	0	0.000	49.900	49.900	49.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.295	22.295	22.295
Colony Counts 22	No./1 ml	S	48	47		0	0.000	0.000	195.681	2564.00
Colony Counts 37 (48hrs)	No./1 ml	S	48	47		0	0.000	0.000	7.234	197.000
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	< 0.700	< 1.367	2.000
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 2.100	< 22.850	49.500
E_Coli	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	48	47		0	0.000	0.010	0.096	0.540
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.780	7.396	8.200
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 6.000	< 23.000	43.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.010	0.253	0.500
Magnesium		S	1	1	>50.00	0	0.000	3.600	3.600	3.600
Manganese	ug Mn/l	S	6	6	>50.0	0	0.000	< 1.000	< 4.176	8.437
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.143	2.084	5.903
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.030	0.078
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.250	2.250	2.250
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	9.800	9.800	9.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.900	11.900	11.900
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	8.000	9.783	12.800
Total - Residual disinfect	mg Cl/l	S	48	47		0	0.000	0.020	0.160	0.600
Total Coliforms	No./100ml	S	48	47	>0	1	2.128	0.000	0.021	1.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	13.900	53.975	76.700
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.000	< 0.073	< 0.110
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 3.600	< 8.933	13.000

Commentary on Water Quality:

Population of zone = 18882

PCV Exceedences:

Sample failed 21-AUG-2003 (Z1710AE) Total Coliforms = 1.

Notes:

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

Water Supply Zone - Z1710C - Ballinrees II Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.011
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	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.980	0.980	0.980
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.007	0.010
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	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.002	0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.023	0.040
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.020
Mercury	ug Hg/l	S	1	1	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.900	0.900	0.900
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z1710C - Ballinrees II Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.005	0.009	0.014
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.060	0.082
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 18882

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 - Z1711 - Ballinrees III  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	16.870	31.062	72.500
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.018	0.074
Calcium		S	1	1	>250.0	0	0.000	49.100	49.100	49.100
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.604	22.604	22.604
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	7.769	226.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	3.827	172.000
Colour	mg/l Pt/C	S	10	10	>20.00	50	0.000	0.800	1.430	3.000
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	12.800	19.350	29.100
E_Coli	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.010	0.140	0.650
Hydrogen Ion	pH value	S	42	42	9.50	0	0.000	6.830	7.524	8.660
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 8.000	< 24.030	70.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.010	0.191	0.366
Magnesium		S	1	1	>50.00	0	0.000	3.600	3.600	3.600
Manganese	ug Mn/l	S	10	10	>50.0	500	0.000	< 1.000	< 4.411	8.519
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	< 0.000	< 0.924	2.621
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.016	0.037
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.200	1.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.880	1.880	1.880
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	10.000	10.000	10.000
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.900	11.900	11.900
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.300	1.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	7.500	9.370	15.100
Total - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.030	0.213	0.800
Total Coliforms	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	55.200	61.525	75.200
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.000	< 0.083	0.280
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 3.000	< 5.567	10.000

Commentary on Water Quality:

Population of zone = 28719

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 - Z1711C - Ballinrees III Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.500	0.500	0.500
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	< 0.005	< 0.009	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	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.300	0.300	0.300
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.052	< 0.083
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.021	0.050
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.020
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.035	< 0.087
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.300	0.300	0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z1711C - Ballinrees III Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.014
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.010	< 0.029	< 0.085
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.069	0.091
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	0.010

Commentary on Water Quality:

Population of zone = 28719

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 - Z1712 - Alcrossagh  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	< 3.190	< 6.215	11.190
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.000	< 0.000
Calcium		S	1	1	>250.0	0	0.000	52.500	52.500	52.500
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.871	21.871	21.871
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	6.917	60.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	0.750	8.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.010	< 0.155	< 0.500
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	25.700	155.900	405.400
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.090	0.365	0.690
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.960	7.205	7.670
Iron	ug Fe/l	I	24	23	>200	0	0.000	< 0.100	< 7.265	19.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.161	0.350	0.546
Magnesium		S	1	1	>50.00	0	0.000	15.600	15.600	15.600
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.074	< 2.214	4.952
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.409	10.667	14.377
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	0.750	3.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.260	0.260	0.260
Phosphorous		S	1	0	>2200	0	0			
Potassium		S	1	1	>12.00	0	0.000	8.000	8.000	8.000
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	14.300	14.300	14.300
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.750	2.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.900	10.100	12.600
Total - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.140	0.400	0.930
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	3	>100.0	0	0.000	4.200	8.800	16.300
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.010	< 0.010
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 5.000	< 6.533	9.200

Commentary on Water Quality:

I: Increased frequency of analysis for Iron

Population of zone = 7122

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 - Z1712C - Alcrossagh Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Asulam	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 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	>1000.00	0	0.000	36.000	36.000	36.000
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	>10.00	0	0.000	< 0.100	< 0.220	0.700
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.650	0.650	0.650
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	4	>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	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	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Diquat	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.052	< 0.083
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.003	< 0.009
MCPA	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.035	< 0.087
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200



Water Supply Zone - Z1712C - Alcrossagh Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.010	< 0.040	< 0.085
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.280	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.520	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 7122

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 - Z2301 - Ballyhannon  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	2	20.000	47.000	106.100	220.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.016	0.050
Calcium	ug Cu/l	S	1	1	>250.0	0	0.000	31.900	31.900	31.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.450	22.450	22.450
Colony Counts 22	No./1 ml	S	52	51		0	0.000	0.000	3.627	31.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	2.731	16.000
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	< 0.860	< 7.774	13.740
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 4.400	< 27.375	77.700
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	45.108	45.108	45.108
Free - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.020	0.280	1.000
Hydrogen Ion	pH value	S	42	42		0	0.000	6.030	7.379	8.290
Iron	ug Fe/l	I	36	36	>200	0	0.000	0.000	19.111	71.030
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	0.140	1.418	5.490
Magnesium	ug Cu/l	S	1	1	>50.00	0	0.000	7.400	7.400	7.400
Manganese	ug Mn/l	I	36	36	>50.0	100	0.000	0.600	7.197	37.250
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.746	1.792	3.880
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.018	0.040
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.550	3.550	3.550
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	144.000	144.000	144.000
Potassium	ug Cu/l	S	1	1	>12.00	0	0.000	4.400	4.400	4.400
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	>250.00	0	0.000	13.930	13.930	13.930
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.000	11.340	17.500
Total - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.040	0.382	1.100
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	8	>100.0	8	100.00	104.000	133.075	167.300
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.050	< 0.236	0.350
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	7.200	14.550	24.600

Commentary on Water Quality:

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

Population of zone = 23000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 20-FEB-2003 (Z2301AE) Aluminium = 220.  
 Sample failed 06-MAY-2003 (Z2301AE) Aluminium = 201.  
 Sample failed 03-JAN-2003 (Z2301AE) Total Trihalomethanes = 137.200.  
 Sample failed 02-APR-2003 (Z2301AE) Total Trihalomethanes = 167.3.  
 Sample failed 04-JUL-2003 (Z2301AE) Total Trihalomethanes = 148.5 ug/l.  
 Sample failed 08-AUG-2003 (Z2301AE) Total Trihalomethanes = 147.3.  
 Sample failed 02-SEP-2003 (Z2301AE) Total Trihalomethanes = 145.7.  
 Sample failed 01-OCT-2003 (Z2301AE) Total Trihalomethanes = 104.2.  
 Sample failed 03-NOV-2003 (Z2301AE) Total Trihalomethanes = 110.4 ug/l.  
 Sample failed 02-DEC-2003 (Z2301AE) Total Trihalomethanes = 104.0 ug/l.

Notes:

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

Water Supply Zone - Z2301C - Ballyhannon Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.00	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	0.021	0.026	0.029
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	11	>10.00	0	0.000	< 0.100	< 0.191	0.900
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	1.660	1.660	1.660
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.000	0.008	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.020
Mercury	ug Hg/l	S	1	1	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2301C - Ballyhannon Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.013	0.019	0.021
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	12	>0.20	0	0.000	< 0.020	< 0.028	0.070
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	0.057	0.064	0.073
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.003	< 0.004

Commentary on Water Quality:

Population of zone = 23000

This zone has a surface water source :R2308

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 - Z2302 - Ballydougan  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	34.000	83.800	166.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.032	0.113
Calcium		S	1	1	>250.0	0	0.000	34.800	34.800	34.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.357	22.357	22.357
Colony Counts 22	No./1 ml	S	52	57		0	0.000	0.000	32.544	1206.00
Colony Counts 37 (48hrs)	No./1 ml	S	52	57		0	0.000	0.000	4.772	45.000
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	5.360	10.927	16.290
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 2.400	<145.950	397.900
E_Coli	No./100ml	S	60	66	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	46.661	46.661	46.661
Free - Residual disinfect	mg Cl/l	S	60	66		0	0.000	0.020	0.289	1.200
Hydrogen Ion	pH value	S	42	48		0	0.000	6.610	7.350	8.420
Iron	ug Fe/l	I	36	40	>200	0	0.000	5.800	25.968	95.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 1.343	2.200
Magnesium		S	1	1	>50.00	0	0.000	7.800	7.800	7.800
Manganese	ug Mn/l	S	10	10	>50.0	100	0.000	0.800	4.822	12.250
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.470	2.376	5.767
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.014	0.025
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.730	4.730	4.730
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	146.000	146.000	146.000
Potassium		S	1	1	>12.00	0	0.000	4.500	4.500	4.500
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	>250.00	0	0.000	13.265	13.265	13.265
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	9	>25.0	0	0.000	5.000	10.211	16.700
Total - Residual disinfect	mg Cl/l	S	60	66		0	0.000	0.020	0.383	1.600
Total Coliforms	No./100ml	S	60	66	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	10	83.333	67.600	125.125	180.400
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.180	< 0.359	0.770
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 3.200	< 52.475	157.800

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 21000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 02-JAN-2003 (Z2302AE) Total Trihalomethanes = 109.000.  
 Sample failed 03-FEB-2003 (Z2302AE) Total Trihalomethanes = 119.700.  
 Sample failed 03-MAR-2003 (Z2302AE) Total Trihalomethanes = 117.6.  
 Sample failed 31-MAR-2003 (Z2302AE) Total Trihalomethanes = 180.4.  
 Sample failed 28-APR-2003 (Z2302AE) Total Trihalomethanes = 136.5.  
 Sample failed 02-JUN-2003 (Z2302AE) Total Trihalomethanes = 151.4.  
 Sample failed 30-JUN-2003 (Z2302AE) Total Trihalomethanes = 162.4 ug/l.  
 Sample failed 01-SEP-2003 (Z2302AE) Total Trihalomethanes = 122.0.  
 Sample failed 29-SEP-2003 (Z2302AE) Total Trihalomethanes = 121.9.  
 Sample failed 03-NOV-2003 (Z2302AE) Total Trihalomethanes = 113.9 ug/l.

Notes:

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

Water Supply Zone - Z2302C - Ballydougan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	0	>10.00	0	0			
Arsenic	ug As/l	S	1	0	>50.00	0	0			
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	0.021	0.026	0.029
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	0	>1000.00	0	0			
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	11	>10.00	0	0.000	< 0.100	< 0.209	0.900
Boron	ug B/l	S	1	0	>2000.00	0	0			
Cadmium	ug Cd/l	S	1	0	>5.00	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	0	>50.00	0	0			
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	0	>50.00	0	0			
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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.013	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.020
Mercury	ug Hg/l	S	1	0	>1.00	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.00	0	0			
Silver	ug Ag/l	S	1	0	>10.00	0	0			

Water Supply Zone - Z2302C - Ballydougan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.013	0.020	0.026
Surfactants ug/l L.SO	S	1	0	>200.00	0	0			
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	12	>0.20	0	0.000	< 0.020	< 0.027	0.060
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	0.054	0.066	0.077
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 21000

This zone has a surface water source :R2308

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 - Z2303 - Magheraliskmisk  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	4	>200	0	0.000	62.000	80.750	105.000
Ammonium	mg NH4/l	S	6	4	>0.50	0	0.000	< 0.000	< 0.010	0.040
Calcium		S	1	1	>250.0	0	0.000	32.900	32.900	32.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.279	23.279	23.279
Colony Counts 22	No./1 ml	S	48	47		0	0.000	0.000	23.213	688.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	8.313	262.000
Colour	mg/l Pt/C	S	6	4	>20.00	30	0.000	7.850	13.485	17.460
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	8.000	91.900	331.300
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	67.137	67.137	67.137
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.020	0.346	1.100
Hydrogen Ion	pH value	S	24	24		0	0.000	6.920	7.476	8.120
Iron	ug Fe/l	I	24	24	>200	0	0.000	2.000	21.742	93.100
Lead	ug Pb/l	I	12	11	>50.0	0	0.000	< 0.890	< 3.431	18.800
Magnesium		S	1	1	>50.00	0	0.000	7.900	7.900	7.900
Manganese	ug Mn/l	S	6	4	>50.0	100	0.000	2.000	5.225	11.600
Nitrate	mg NO3/l	S	6	4	>50.00	0	0.000	0.857	2.156	3.909
Nitrite	mg NO2/l	S	6	4	>0.100	0	0.000	0.013	0.015	0.019
Odour	Diln No	S	6	4	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.780	4.780	4.780
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	138.000	138.000	138.000
Potassium		S	1	1	>12.00	0	0.000	4.400	4.400	4.400
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.200	10.200	10.200
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	14.951	14.951	14.951
Taste	Diln No	S	6	4	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	4	>25.0	0	0.000	7.000	9.125	11.000
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.030	0.454	1.250
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	10	83.333	96.700	128.158	152.500
Turbidity	FTU	S	6	4	>4.00	0	0.000	< 0.080	< 0.155	0.250
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 3.800	< 8.950	20.500

Commentary on Water Quality:

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

Population of zone = 20000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 08-JAN-2003 (Z2303AE) Total Trihalomethanes = 136.600.  
 Sample failed 11-FEB-2003 (Z2303AE) Total Trihalomethanes = 146.500.  
 Sample failed 13-MAR-2003 (Z2303AE) Total Trihalomethanes = 130.8.  
 Sample failed 07-APR-2003 (Z2303AE) Total Trihalomethanes = 152.5.  
 Sample failed 09-MAY-2003 (Z2303AE) Total Trihalomethanes = 122.8.  
 Sample failed 12-JUN-2003 (Z2303AE) Total Trihalomethanes = 139.2.  
 Sample failed 07-JUL-2003 (Z2303AE) Total Trihalomethanes = 151.3 ug/l.  
 Sample failed 15-AUG-2003 (Z2303AE) Total Trihalomethanes = 134.5.  
 Sample failed 11-SEP-2003 (Z2303AE) Total Trihalomethanes = 108.8.  
 Sample failed 11-DEC-2003 (Z2303AE) Total Trihalomethanes = 118.8 ug/l.

Notes:

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



Water Supply Zone - Z2303C - Magheraliskmisk Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.700	0.700	0.700
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	0.020	0.025	0.028
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	24.000	24.000	24.000
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	11	>10.00	0	0.000	0.100	0.782	3.800
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.007	0.010
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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.000	0.013	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z2303C - Magheraliskmisk Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.012	0.020	0.025
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	13	>0.20	1	7.692	< 0.020	< 0.066	0.210
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	0.052	0.067	0.085
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 20000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 30-JUN-2003 (Z2303AEC) Total PAH = 0.21 ug/l.

Notes:

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

Water Supply Zone - Z2304 - Lurgan  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	55.000	83.200	124.000
Ammonium	mg NH4/l	S	10	9	>0.50	0	0.000	< 0.000	< 0.052	0.281
Calcium		S	1	1	>250.0	0	0.000	32.300	32.300	32.300
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.538	23.538	23.538
Colony Counts 22	No./1 ml	S	52	51		0	0.000	0.000	5.725	39.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	6.404	185.000
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	2.850	9.576	18.750
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	4.500	45.425	150.100
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	74.002	74.002	74.002
Free - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.010	0.291	1.300
Hydrogen Ion	pH value	S	42	41		0	0.000	6.860	7.470	8.440
Iron	ug Fe/l	I	36	35	>200	1	2.857	< 7.560	< 33.736	395.250
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.700	2.418	5.160
Magnesium		S	1	1	>50.00	0	0.000	7.800	7.800	7.800
Manganese	ug Mn/l	I	36	35	>50.0	100	2.857	0.300	8.095	102.620
Nitrate	mg NO3/l	S	10	8	>50.00	0	0.000	0.841	2.160	4.604
Nitrite	mg NO2/l	S	10	8	>0.100	0	0.000	< 0.000	< 0.008	0.033
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	1	100.00	5.100	5.100	5.100
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	144.000	144.000	144.000
Potassium		S	1	1	>12.00	0	0.000	4.400	4.400	4.400
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.200	10.200	10.200
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	15.070	15.070	15.070
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.100	1.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.000	10.790	18.100
Total - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.010	0.400	1.400
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	12	100.00	103.500	128.592	159.900
Turbidity	FTU	I	36	34	>4.00	0	0.000	< 0.020	< 0.375	3.600
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 5.200	< 15.700	35.700

Commentary on Water Quality:

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

Population of zone = 23000

PCV Exceedences:

Sample failed 07-AUG-2003 (Z2304AE) Iron = 395.  
 Sample failed 07-AUG-2003 (Z2304AE) Manganese = 102.6.  
 Sample failed 15-JAN-2003 (Z2304AE) Oxidizability = 5.1.  
 Sample failed 15-JAN-2003 (Z2304AE) Total Trihalomethanes = 139.300.  
 Sample failed 17-FEB-2003 (Z2304AE) Total Trihalomethanes = 153.100.  
 Sample failed 18-MAR-2003 (Z2304AE) Total Trihalomethanes = 111.0 ug/l.  
 Sample failed 15-APR-2003 (Z2304AE) Total Trihalomethanes = 120.4.  
 Sample failed 13-MAY-2003 (Z2304AE) Total Trihalomethanes = 126.3.  
 Sample failed 16-JUN-2003 (Z2304AE) Total Trihalomethanes = 159.9.  
 Sample failed 16-JUL-2003 (Z2304AE) Total Trihalomethanes = 154.2 ug/l.  
 Sample failed 22-AUG-2003 (Z2304AE) Total Trihalomethanes = 117.8.  
 Sample failed 15-SEP-2003 (Z2304AE) Total Trihalomethanes = 118.3.  
 Sample failed 17-OCT-2003 (Z2304AE) Total Trihalomethanes = 118.5 ug/l.  
 Sample failed 17-NOV-2003 (Z2304AE) Total Trihalomethanes = 103.5 ug/l.  
 Sample failed 15-DEC-2003 (Z2304AE) Total Trihalomethanes = 120.8 ug/l.

Notes:

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

Water Supply Zone - Z2304C - Lurgan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.700	0.700	0.700
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	0.020	0.025	0.028
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	11	>10.00	0	0.000	0.100	0.255	0.900
Boron	ug B/l	S	1	1	>2000.00	0	0.000	22.000	22.000	22.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.580	0.580	0.580
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.013	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.020
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z2304C - Lurgan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.013	0.020	0.025
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	0.100	0.100	0.100
Total PAH ug/l	S	4	13	>0.20	0	0.000	< 0.020	< 0.028	0.070
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	0.053	0.065	0.080
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 23000

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 - Z2501 - Seagahan  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	35	>200	1	2.857	< 20.000	< 86.171	274.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.067	0.478
Calcium		S	1	1	>250.0	0	0.000	19.700	19.700	19.700
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	19.968	19.968	19.968
Colony Counts 22	No./1 ml	S	52	50		0	0.000	0.000	59.940	2200.00
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	11.231	149.000
Colour	mg/l Pt/C	S	10	10	>20.00	40	0.000	6.990	13.013	24.370
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	14.500	33.875	68.700
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	26.988	26.988	26.988
Free - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.003	0.485	1.800
Hydrogen Ion	pH value	S	42	42		0	0.000	6.630	7.235	8.800
Iron	ug Fe/l	I	36	36	>200	1	2.778	9.740	68.429	272.700
Lead	ug Pb/l	I	12	11	>50.0	1	9.091	< 0.890	< 8.267	53.280
Magnesium		S	1	1	>50.00	0	0.000	4.500	4.500	4.500
Manganese	ug Mn/l	S	10	10	>50.0	0	0.000	< 1.620	< 11.385	26.500
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.902	3.165	5.162
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.011	0.024
Odour	Diln No	S	10	9	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.190	3.190	3.190
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	123.000	123.000	123.000
Potassium		S	1	1	>12.00	0	0.000	4.700	4.700	4.700
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	>250.00	0	0.000	13.438	13.438	13.438
Taste	Diln No	S	10	9	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.000	11.070	16.700
Total - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.040	0.573	1.950
Total Coliforms	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	12	100.00	130.000	162.283	230.300
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.060	< 0.487	1.170
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	11.200	24.200	46.600

Commentary on Water Quality:

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

Population of zone = 32600

This zone has a surface water source :R2514

PCV Exceedences:

Sample failed 06-MAR-2003 (Z2501AE) Aluminium = 274.  
 Sample failed 06-MAY-2003 (Z2501AE) Iron = 273.  
 Sample failed 24-APR-2003 (Z2501AE) Lead = 53.3.  
 Sample failed 22-JAN-2003 (Z2501AE) Total Trihalomethanes = 130.000.  
 Sample failed 25-FEB-2003 (Z2501AE) Total Trihalomethanes = 142.9 ug/l.  
 Sample failed 28-MAR-2003 (Z2501AE) Total Trihalomethanes = 138.9.  
 Sample failed 24-APR-2003 (Z2501AE) Total Trihalomethanes = 165.6.  
 Sample failed 21-MAY-2003 (Z2501AE) Total Trihalomethanes = 230.3.  
 Sample failed 25-JUN-2003 (Z2501AE) Total Trihalomethanes = 165.3.  
 Sample failed 23-JUL-2003 (Z2501AE) Total Trihalomethanes = 166.3 ug/l.  
 Sample failed 26-AUG-2003 (Z2501AE) Total Trihalomethanes = 164.6.  
 Sample failed 26-SEP-2003 (Z2501AE) Total Trihalomethanes = 166.6.  
 Sample failed 22-OCT-2003 (Z2501AE) Total Trihalomethanes = 136.0 ug/l.  
 Sample failed 24-NOV-2003 (Z2501AE) Total Trihalomethanes = 167.4 ug/l.  
 Sample failed 18-DEC-2003 (Z2501AE) Total Trihalomethanes = 173.5 ug/l.

Notes:

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

Water Supply Zone - Z2501C - Seagahan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.003	0.007	0.012
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.275	0.800
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.950	0.950	0.950
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	1	25.000	< 0.004	< 0.076	0.270
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.015	0.030
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	3.100	3.100	3.100
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2501C - Seagahan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.031	0.044
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	0.056	0.144	0.323
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 32600

This zone has a surface water source :R2514

PCV Exceedences:

Sample failed 04-AUG-2003 (Z2501AEC) MCPA = 0.27 ug/l.

Notes:

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



Water Supply Zone - Z2502 - Castor Bay  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	39.000	90.500	127.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.006	0.024
Calcium		S	1	1	>250.0	0	0.000	36.200	36.200	36.200
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.342	24.342	24.342
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	5.792	39.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	7.000	106.000
Colour	mg/l Pt/C	S	4	4	>20.00	30	0.000	8.450	15.033	26.670
Copper	ug Cu/l	S	4	3	>3000.00	0	0.000	11.300	70.933	183.300
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	24.929	24.929	24.929
Free - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.020	0.365	1.100
Hydrogen Ion	pH value	S	12	12		0	0.000	7.070	7.295	7.600
Iron	ug Fe/l	S	4	4	>200	1	25.000	7.400	876.710	3441.68
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 2.618	6.110
Magnesium		S	1	1	>50.00	0	0.000	7.400	7.400	7.400
Manganese	ug Mn/l	S	4	4	>50.0	100	25.000	0.400	102.705	394.440
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.614	1.963	5.268
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.006	0.024
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.900	4.900	4.900
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	64.000	64.000	64.000
Potassium		S	1	1	>12.00	0	0.000	4.300	4.300	4.300
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.700	10.700	10.700
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	13.188	13.188	13.188
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.250	1.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	9.200	11.675	13.000
Total - Residual disinfect	mg Cl/l	S	24	24		0	0.000	0.020	0.424	1.200
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	9	81.818	51.600	128.545	164.000
Turbidity	FTU	S	4	3	>4.00	0	0.000	< 0.100	< 0.193	0.330
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	7.400	18.867	37.000

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 9200

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 05-NOV-2003 (Z2502AE) Iron = 3442 ug Fe.  
 Sample failed 05-NOV-2003 (Z2502AE) Manganese = 394.4 ug M.  
 Sample failed 05-FEB-2003 (Z2502AE) Total Trihalomethanes = 164.000.  
 Sample failed 04-MAR-2003 (Z2502AE) Total Trihalomethanes = 104.0 ug/l.  
 Sample failed 02-APR-2003 (Z2502AE) Total Trihalomethanes = 153.6.  
 Sample failed 04-JUN-2003 (Z2502AE) Total Trihalomethanes = 128.8.  
 Sample failed 30-JUN-2003 (Z2502AE) Total Trihalomethanes = 162.8.  
 Sample failed 07-AUG-2003 (Z2502AE) Total Trihalomethanes = 114.8.  
 Sample failed 03-SEP-2003 (Z2502AE) Total Trihalomethanes = 143.4.  
 Sample failed 01-OCT-2003 (Z2502AE) Total Trihalomethanes = 131.9.  
 Sample failed 12-DEC-2003 (Z2502AE) Total Trihalomethanes = 122.3 ug/l.

Notes:

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

Water Supply Zone - Z2502C - Castor Bay Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.600	2.600	2.600
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	0.013	0.019	0.026
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.300	0.800
Boron	ug B/l	S	1	1	>2000.00	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.640	0.640	0.640
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.010	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	3.000	3.000	3.000
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2502C - Castor Bay Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.011	0.015	0.019
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.052	0.058
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 9200

This zone has a surface water source :R2308

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 - Z2503 - Castor Bay - Seagahan  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Aluminium	ug Al/l	S	4	4	>200	0	0.000	36.000	90.500	131.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.023	0.067
Calcium		S	1	1	>250.0	0	0.000	35.900	35.900	35.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.763	24.763	24.763
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	4.667	35.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	2.833	19.000
Colour	mg/l Pt/C	S	4	4	>20.00	30	0.000	7.300	11.030	15.070
Copper	ug Cu/l	S	4	3	>3000.00	0	0.000	6.300	20.067	43.300
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	24.148	24.148	24.148
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.030	0.311	0.900
Hydrogen Ion	pH value	S	6	6		0	0.000	6.890	7.453	8.140
Iron	ug Fe/l	I	12	12	>200	0	0.000	6.800	15.074	29.060
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.560	1.695	4.070
Magnesium		S	1	1	>50.00	0	0.000	7.600	7.600	7.600
Manganese	ug Mn/l	S	4	4	>50.0	300	0.000	1.400	4.293	7.010
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.902	12.885	44.787
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.009	0.025
Odour	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	1	100.00	5.600	5.600	5.600
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	119.000	119.000	119.000
Potassium		S	1	1	>12.00	0	0.000	4.300	4.300	4.300
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	>250.00	0	0.000	13.862	13.862	13.862
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	4.900	11.650	18.700
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.080	0.320	1.000
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	8	72.727	83.700	126.082	171.300
Turbidity	FTU	I	12	12	>4.00	0	0.000	< 0.080	< 0.264	0.560
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 4.100	< 20.033	50.900

Commentary on Water Quality:

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

Population of zone = 3500

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 13-FEB-2003 (Z2503AE) Oxidizability = 5.6.  
 Sample failed 13-FEB-2003 (Z2503AE) Total Trihalomethanes = 149.600.  
 Sample failed 10-MAR-2003 (Z2503AE) Total Trihalomethanes = 102.9 ug/l.  
 Sample failed 07-APR-2003 (Z2503AE) Total Trihalomethanes = 105.0 ug/l.  
 Sample failed 13-JUN-2003 (Z2503AE) Total Trihalomethanes = 166.0.  
 Sample failed 13-AUG-2003 (Z2503AE) Total Trihalomethanes = 171.3.  
 Sample failed 09-SEP-2003 (Z2503AE) Total Trihalomethanes = 125.2.  
 Sample failed 09-OCT-2003 (Z2503AE) Total Trihalomethanes = 142.7 ug/l.  
 Sample failed 10-NOV-2003 (Z2503AE) Total Trihalomethanes = 106.9 ug/l.

Notes:

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

Water Supply Zone - Z2503C - Castor Bay - Seagahan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	1.100	1.100	1.100
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	< 0.021	0.029
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.275	0.800
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.011	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.010	0.010
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.660	1.660	1.660
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z2503C - Castor Bay - Seagahan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.018	0.026	0.044
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	0.050	0.072	0.107
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 3500

This zone has a surface water source :R2308

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 - Z2504 - Clay Lake  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	41.000	84.750	115.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.018	0.264	0.430
Calcium		S	1	1	>250.0	0	0.000	26.200	26.200	26.200
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	26.298	26.298	26.298
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	4.875	26.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	4.708	54.000
Colour	mg/l Pt/C	S	4	4	>20.00	40	0.000	1.490	12.915	19.500
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	9.700	40.525	111.800
E_Coli	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 14.445	< 14.445	< 14.445
Free - Residual disinfect	mg Cl/l	S	24	23		0	0.000	0.010	0.277	0.800
Hydrogen Ion	pH value	S	12	12		0	0.000	6.810	7.275	7.440
Iron	ug Fe/l	I	24	24	>200	0	0.000	< 7.560	< 45.924	143.800
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 2.758	4.520
Magnesium		S	1	1	>50.00	0	0.000	3.700	3.700	3.700
Manganese	ug Mn/l	S	4	4	>50.0	150	0.000	2.100	4.345	7.450
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.709	2.944	5.819
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.007	0.027
Odour	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	11	>5.00	6	54.545	1.690	5.554	7.800
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 29.000	< 29.000	< 29.000
Potassium		S	1	1	>12.00	0	0.000	7.700	7.700	7.700
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	13.800	13.800	13.800
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	12.163	12.163	12.163
Taste	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	4.200	10.150	16.300
Total - Residual disinfect	mg Cl/l	S	24	23		0	0.000	0.040	0.422	1.720
Total Coliforms	No./100ml	S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	1	9.091	12.100	39.118	138.000
Turbidity	FTU	I	24	23	>4.00	0	0.000	< 0.140	< 0.443	1.190
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 0.800	< 26.500	85.600

Commentary on Water Quality:

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

Population of zone = 6600

This zone has a surface water source :R2509

PCV Exceedences:

- Sample failed 16-JAN-2003 (Z2504AE) Oxidizability = 7.0.
- Sample failed 17-FEB-2003 (Z2504AE) Oxidizability = 7.8.
- Sample failed 21-MAR-2003 (Z2504AE) Oxidizability = 7.3.
- Sample failed 18-JUN-2003 (Z2504AE) Oxidizability = 7.8.
- Sample failed 18-JUL-2003 (Z2504AE) Oxidizability = 6.6 mg O2/.
- Sample failed 22-AUG-2003 (Z2504AE) Oxidizability = 6.6.
- Sample failed 16-DEC-2003 (Z2504AE) Total Trihalomethanes = 138.0 ug/l.

Water Supply Zone - Z2504C - Clay Lake Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.800	0.800	0.800
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	0.007	0.011	0.015
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	12	>10.00	0	0.000	0.100	0.225	1.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.510	0.510	0.510
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.014	0.030
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	4.830	4.830	4.830
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230



Water Supply Zone - Z2504C - Clay Lake Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.004	0.008	0.010
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	13	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.065	0.095
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 6600

This zone has a surface water source :R2509

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 - Z2506 - Altmore  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	12	12	>200	1	8.333	58.000	139.000	313.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.010	0.040
Calcium		S	1	1	>250.0	0	0.000	28.600	28.600	28.600
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.037	18.037	18.037
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	0.833	7.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	1.833	12.000
Colour	mg/l Pt/C	S	4	3	>20.00 50	0	0.000	1.210	8.210	20.670
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 3.500	<156.650	610.200
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 13.090	< 13.090	< 13.090
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.250	1.097	2.300
Hydrogen Ion	pH value	I	12	11		0	0.000	7.310	7.662	8.290
Iron	ug Fe/l	I	12	12	>200	0	0.000	12.200	74.153	175.400
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 2.530	4.240
Magnesium		S	1	1	>50.00	0	0.000	2.200	2.200	2.200
Manganese	ug Mn/l	S	4	4	>50.0 200	0	0.000	15.800	21.733	25.200
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.328	1.663	2.964
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.008	0.033
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.290	2.290	2.290
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 20.000	< 20.000	< 20.000
Potassium		S	1	1	>12.00	0	0.000	1.700	1.700	1.700
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	6.900	6.900	6.900
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	28.037	28.037	28.037
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	6.200	9.700	16.200
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.280	1.194	2.500
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	6	50.000	40.000	95.208	160.700
Turbidity	FTU	S	4	3	>4.00	0	0.000	< 0.240	< 0.590	0.920
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 3.400	<459.100	1817.80

Commentary on Water Quality:

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

Population of zone = 3600

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 24-NOV-2003 (Z2506AE) Aluminium = 313 ug Al/.  
 Sample failed 23-JAN-2003 (Z2506AE) Total Trihalomethanes = 103.200.  
 Sample failed 26-JUN-2003 (Z2506AE) Total Trihalomethanes = 124.9.  
 Sample failed 22-JUL-2003 (Z2506AE) Total Trihalomethanes = 115.5 ug/l.  
 Sample failed 24-SEP-2003 (Z2506AE) Total Trihalomethanes = 117.1.  
 Sample failed 24-OCT-2003 (Z2506AE) Total Trihalomethanes = 160.7 ug/l.  
 Sample failed 24-NOV-2003 (Z2506AE) Total Trihalomethanes = 139.4 ug/l.

Water Supply Zone - Z2506C - Altmore Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	0.056
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	36.000	36.000	36.000
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	11	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.640	0.640	0.640
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	8	>0.10	2	25.000	< 0.004	< 0.220	1.560
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	6	>0.10	0	0.000	< 0.005	< 0.019	0.080
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.870	0.870	0.870
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z2506C - Altmore Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	11	>0.20	0	0.000	< 0.020	< 0.023	0.040
Total Pesticides ug/l	S	4	4	>0.50	1	25.000	< 0.050	< 0.463	1.700
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 3600

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 04-AUG-2003 (Z2506AEC) MCPA = 1.56 ug/l.  
 Sample failed 29-SEP-2003 (Z2506AEC) MCPA = 0.14 ug/l.  
 Sample failed 04-AUG-2003 (Z2506AEC) Total Pesticides = 1.7000 ug/.

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  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	12	12	>200	1	8.333	58.000	136.667	238.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.014	0.028
Calcium		S	1	1	>250.0	0	0.000	18.000	18.000	18.000
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.715	18.715	18.715
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	3.833	43.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	0.833	6.000
Colour	mg/l Pt/C	S	4	4	>20.00 50	0	0.000	1.320	3.638	4.920
Copper	ug Cu/l	S	4	3	>3000.00	0	0.000	11.200	19.233	28.400
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	219.670	219.670	219.670
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.350	0.867	1.500
Hydrogen Ion	pH value	I	12	12		0	0.000	6.860	7.451	7.960
Iron	ug Fe/l	I	12	12	>200	0	0.000	< 7.560	< 56.314	179.800
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.580	0.955	1.670
Magnesium		S	1	1	>50.00	0	0.000	2.100	2.100	2.100
Manganese	ug Mn/l	I	12	12	>50.0 200	0	0.000	< 1.620	< 35.868	123.690
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.670	2.612	3.482
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.039	0.056
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	5.020	5.020	5.020
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 14.000	< 14.000	< 14.000
Potassium		S	1	1	>12.00	0	0.000	1.500	1.500	1.500
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.800	7.800	7.800
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	27.914	27.914	27.914
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	5.000	11.075	18.600
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.450	0.921	1.700
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	7	58.333	42.100	111.217	186.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.210	< 0.278	0.310
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 3.600	< 10.133	18.500

Commentary on Water Quality:

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

Population of zone = 3900

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 04-MAR-2003 (Z2507AE) Aluminium = 238.  
 Sample failed 03-JAN-2003 (Z2507AE) Total Trihalomethanes = 102.0 ug/l.  
 Sample failed 06-FEB-2003 (Z2507AE) Total Trihalomethanes = 120.100.  
 Sample failed 05-JUN-2003 (Z2507AE) Total Trihalomethanes = 152.2.  
 Sample failed 30-JUN-2003 (Z2507AE) Total Trihalomethanes = 132.9.  
 Sample failed 07-AUG-2003 (Z2507AE) Total Trihalomethanes = 145.1.  
 Sample failed 04-SEP-2003 (Z2507AE) Total Trihalomethanes = 186.0.  
 Sample failed 03-NOV-2003 (Z2507AE) Total Trihalomethanes = 108.4 ug/l.

Water Supply Zone - Z2507C - Altmore - Gortlenaghan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.001	0.011	0.020
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	24.000	24.000	24.000
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	11	>10.00	0	0.000	< 0.100	< 0.109	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	8	>0.10	1	12.500	< 0.004	< 0.074	0.520
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.011	0.030
Mercury	ug Hg/l	S	1	1	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2507C - Altmore - Gortlenaghan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.013
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	43.000	43.000	43.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	11	>0.20	1	9.091	< 0.020	< 0.087	0.240
Total Pesticides ug/l	S	4	4	>0.50	1	25.000	< 0.050	< 0.182	0.571
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 3900

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 04-AUG-2003 (Z2507AEC) MCPA = 0.52 ug/l.  
 Sample failed 04-AUG-2003 (Z2507AEC) Total PAH = 0.24 ug/l.  
 Sample failed 04-AUG-2003 (Z2507AEC) Total Pesticides = 0.5710 ug/.

Notes:

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

Water Supply Zone - Z2508 - Castor Bay - Shanmoy  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Aluminium	ug Al/l	I 36	34	>200	1	2.941	25.000	104.647	253.000
Ammonium	mg NH4/l	S 10	10	>0.50	0	0.000	< 0.000	< 0.012	0.024
Calcium		S 1	1	>250.0	0	0.000	58.600	58.600	58.600
Chloride	mg Cl/l	S 1	1	>400.00	0	0.000	23.185	23.185	23.185
Colony Counts 22	No./1 ml	S 52	51		0	0.000	0.000	1.706	31.000
Colony Counts 37 (48hrs)	No./1 ml	S 52	52		0	0.000	0.000	3.596	64.000
Colour	mg/l Pt/C	S 10	10	>20.00 30	0	0.000	1.060	3.927	5.350
Copper	ug Cu/l	S 4	4	>3000.00	0	0.000	6.100	40.800	107.000
E_Coli	No./100ml	S 72	72	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S 1	1	>1500.00	0	0.000	228.176	228.176	228.176
Free - Residual disinfect	mg Cl/l	S 72	72		0	0.000	0.030	0.716	1.800
Hydrogen Ion	pH value	S 42	40		0	0.000	6.990	7.401	8.310
Iron	ug Fe/l	S 10	10	>200	0	0.000	1.500	45.558	134.830
Lead	ug Pb/l	S 4	4	>50.0	0	0.000	< 0.680	< 1.738	3.520
Magnesium		S 1	1	>50.00	0	0.000	9.900	9.900	9.900
Manganese	ug Mn/l	S 10	10	>50.0 100	0	0.000	< 1.620	< 26.281	95.960
Nitrate	mg NO3/l	S 10	9	>50.00	0	0.000	1.675	2.819	4.190
Nitrite	mg NO2/l	S 10	10	>0.100	0	0.000	< 0.000	< 0.011	0.047
Odour	Diln No	S 10	9	>3 4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	1	>5.00	0	0.000	3.380	3.380	3.380
Phosphorous	ug P/l	S 1	1	>2200.00	0	0.000	55.000	55.000	55.000
Potassium		S 1	1	>12.00	0	0.000	3.700	3.700	3.700
Sodium	mg Na/l	S 1	1	>150.00	0	0.000	10.700	10.700	10.700
Sulphate	mg SO4/l	S 1	1	>250.00	0	0.000	28.259	28.259	28.259
Taste	Diln No	S 10	9	>3 4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S 10	10	>25.0	0	0.000	6.000	10.370	15.400
Total - Residual disinfect	mg Cl/l	S 72	72		0	0.000	0.032	0.811	2.000
Total Coliforms	No./100ml	S 72	72	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I 12	11	>100.0	7	63.636	78.900	119.627	188.600
Turbidity	FTU	S 10	9	>4.00	0	0.000	< 0.030	< 0.277	0.790
Zinc	ug Zn/l	S 4	4	>5000.00	0	0.000	< 2.700	< 9.825	17.600

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes

Population of zone = 26000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 18-FEB-2003 (Z2508AE) Aluminium = 253.  
 Sample failed 09-APR-2003 (Z2508AE) Total Trihalomethanes = 140.3.  
 Sample failed 11-JUN-2003 (Z2508AE) Total Trihalomethanes = 188.6.  
 Sample failed 09-JUL-2003 (Z2508AE) Total Trihalomethanes = 151.0 ug/l.  
 Sample failed 15-AUG-2003 (Z2508AE) Total Trihalomethanes = 153.7.  
 Sample failed 08-SEP-2003 (Z2508AE) Total Trihalomethanes = 125.1.  
 Sample failed 06-OCT-2003 (Z2508AE) Total Trihalomethanes = 101.0.  
 Sample failed 08-DEC-2003 (Z2508AE) Total Trihalomethanes = 104.1 ug/l.

Notes:

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



Water Supply Zone - Z2508C - Castor Bay - Shanmoy Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.200	2.200	2.200
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	0.012	0.020	0.029
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	31.000	31.000	31.000
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	11	>10.00	0	0.000	< 0.100	< 0.236	0.900
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.470	0.470	0.470
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.300	1.300	1.300
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2508C - Castor Bay - Shammy Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.015
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	12	>0.20	0	0.000	< 0.020	< 0.053	0.160
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.062	0.096
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 26000

This zone has a surface water source :R2308

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 - Z2701 - Poffany - Banbridge  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	23	>200	3	13.043	36.000	122.348	296.000
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.003	< 0.012	0.021
Calcium		S	1	1	>250.0	0	0.000	33.200	33.200	33.200
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.974	23.974	23.974
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	5.000	137.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	1.271	7.000
Colour	mg/l Pt/C	S	6	6	>20.00 50	0	0.000	5.000	11.822	16.100
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 0.400	<119.050	434.300
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.357	2.200
Hydrogen Ion	pH value	I	24	24		1	4.167	6.700	7.653	9.650
Iron	ug Fe/l	I	24	24	>200	0	0.000	< 7.560	< 57.602	140.800
Lead	ug Pb/l	I	12	12	>50.0	1	8.333	0.000	8.279	89.750
Magnesium		S	1	1	>50.00	0	0.000	7.600	7.600	7.600
Manganese	ug Mn/l	S	6	6	>50.0 250	0	0.000	2.000	3.848	7.250
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.623	1.483	4.107
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.017	0.034
Odour	Diln No	S	6	6	>3 4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.430	4.430	4.430
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	88.000	88.000	88.000
Potassium		S	1	1	>12.00	0	0.000	4.100	4.100	4.100
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	11.000	11.000	11.000
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	13.892	13.892	13.892
Taste	Diln No	S	6	6	>3 4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	5.800	8.433	14.000
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.000	0.459	2.300
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	9	75.000	70.800	121.208	190.600
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.070	< 0.372	0.670
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.300	< 17.450	45.500

Commentary on Water Quality:

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

Population of zone = 20000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 04-FEB-2003 (Z2701AE) Aluminium = 296.  
 Sample failed 30-APR-2003 (Z2701AE) Aluminium = 214.  
 Sample failed 02-JUN-2003 (Z2701AE) Aluminium = 220.  
 Sample failed 04-FEB-2003 (Z2701AE) Hydrogen Ion = 9.65.  
 Sample failed 14-JAN-2003 (Z2701AE) Lead = 89.8.  
 Sample failed 14-JAN-2003 (Z2701AE) Total Trihalomethanes = 119.300.  
 Sample failed 21-JAN-2003 (Z2701AE) Total Trihalomethanes = 103.400.  
 Sample failed 18-MAR-2003 (Z2701AE) Total Trihalomethanes = 134.4.  
 Sample failed 18-APR-2003 (Z2701AE) Total Trihalomethanes = 120.3.  
 Sample failed 17-JUN-2003 (Z2701AE) Total Trihalomethanes = 142.9.  
 Sample failed 17-JUL-2003 (Z2701AE) Total Trihalomethanes = 190.6 ug/l.  
 Sample failed 13-OCT-2003 (Z2701AE) Total Trihalomethanes = 124.0 ug/l.  
 Sample failed 20-FEB-2003 (Z2701AE) Total Trihalomethanes = 113.700.  
 Sample failed 22-AUG-2003 (Z2701AE) Total Trihalomethanes = 144.4.

Notes:

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

Water Supply Zone - Z2701C - Foffany - Banbridge Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.00	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	0.021	0.026	0.029
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	10	>10.00	0	0.000	< 0.100	< 0.230	1.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	1.750	1.750	1.750
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.010	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2701C - Foffany - Banbridge Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.013	0.020	0.026
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	12	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	0.059	0.068	0.079
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	0.000	0.005	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	0.010

Commentary on Water Quality:

Population of zone = 20000

This zone has a surface water source :R2308

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 - Z2702 - Poffany - Newry  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	33	>200	1	3.030	36.000	111.152	222.000
Ammonium	mg NH4/l	S	10	9	>0.50	0	0.000	< 0.000	< 0.013	0.038
Calcium		S	1	1	>250.0	0	0.000	8.300	8.300	8.300
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	11.525	11.525	11.525
Colony Counts 22	No./1 ml	S	52	51		0	0.000	0.000	18.275	715.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	5.500	124.000
Colour	mg/l Pt/C	S	10	10	>20.00	50	0.000	3.240	8.393	14.300
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	6.400	47.650	103.300
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	75.738	75.738	75.738
Free - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.020	0.608	2.000
Hydrogen Ion	pH value	I	42	40		0	0.000	6.580	7.694	9.340
Iron	ug Fe/l	I	36	36	>200	3	8.333	4.900	87.322	431.570
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 1.155	1.640
Magnesium		S	1	1	>50.00	0	0.000	0.800	0.800	0.800
Manganese	ug Mn/l	S	10	10	>50.0	250	0.000	3.000	4.881	9.560
Nitrate	mg NO3/l	S	10	9	>50.00	0	0.000	0.395	0.971	1.403
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.015	0.030
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.750	1.750	1.750
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 1.000	< 1.000	< 1.000
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
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	>250.00	0	0.000	11.628	11.628	11.628
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.222	2.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.000	10.933	17.600
Total - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.040	0.730	2.200
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	8	66.667	48.300	115.342	177.000
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.190	< 0.680	3.370
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	14.900	401.325	1501.00

Commentary on Water Quality:

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

Population of zone = 23000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 01-MAY-2003 (Z2702AE) Aluminium = 222.  
 Sample failed 19-MAR-2003 (Z2702AE) Iron = 357.  
 Sample failed 27-NOV-2003 (Z2702AE) Iron = 330 ug Fe/.  
 Sample failed 04-DEC-2003 (Z2702AE) Iron = 432 ug Fe/.  
 Sample failed 26-MAR-2003 (Z2702AE) Total Trihalomethanes = 108.4.  
 Sample failed 24-APR-2003 (Z2702AE) Total Trihalomethanes = 124.1.  
 Sample failed 22-MAY-2003 (Z2702AE) Total Trihalomethanes = 177.0.  
 Sample failed 24-JUL-2003 (Z2702AE) Total Trihalomethanes = 154.2 ug/l.  
 Sample failed 29-AUG-2003 (Z2702AE) Total Trihalomethanes = 113.3.  
 Sample failed 25-SEP-2003 (Z2702AE) Total Trihalomethanes = 145.0.  
 Sample failed 22-OCT-2003 (Z2702AE) Total Trihalomethanes = 104.8 ug/l.  
 Sample failed 27-NOV-2003 (Z2702AE) Total Trihalomethanes = 132.9 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z2702C - Foffany - Newry Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	13	>10.00	0	0.000	< 0.100	< 0.177	0.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.450	0.450	0.450
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.008	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.000	1.000	1.000
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2702C - Foffany - Newry Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.007	0.011
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	14	>0.20	0	0.000	< 0.020	< 0.043	0.170
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	0.010
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	0.010

Commentary on Water Quality:

Population of zone = 23000

This zone has a surface water source :R2308

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 - Z2703 - Poffany - Castor Bay  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	42.000	88.000	117.000
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	0.007	0.068	0.207
Calcium		S	1	1	>250.0	0	0.000	34.000	34.000	34.000
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.651	23.651	23.651
Colony Counts 22	No./1 ml	S	48	46		0	0.000	0.000	10.348	140.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	47		0	0.000	0.000	7.149	117.000
Colour	mg/l Pt/C	S	6	6	>20.00	30	0.000	6.020	10.452	16.700
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	6.100	298.425	996.200
E_Coli	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	100.925	100.925	100.925
Free - Residual disinfect	mg Cl/l	S	48	47		0	0.000	0.020	0.192	0.900
Hydrogen Ion	pH value	I	24	23		0	0.000	6.570	7.515	9.370
Iron	ug Fe/l	I	24	23	>200	1	4.348	< 7.560	< 54.207	352.300
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	0.890	1.390	2.390
Magnesium		S	1	1	>50.00	0	0.000	7.600	7.600	7.600
Manganese	ug Mn/l	S	6	6	>50.0	100	0.000	< 1.620	< 8.847	17.300
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.760	1.922	4.012
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.006	0.021
Odour	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.400	4.400	4.400
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	74.000	74.000	74.000
Potassium		S	1	1	>12.00	0	0.000	4.100	4.100	4.100
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	>250.00	0	0.000	14.435	14.435	14.435
Taste	Diln No	S	6	6	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	7.000	12.083	16.900
Total - Residual disinfect	mg Cl/l	S	48	47		0	0.000	0.030	0.259	1.100
Total Coliforms	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	11	91.667	61.300	132.575	178.800
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.210	< 0.315	0.500
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	6.300	32.300	105.600

Commentary on Water Quality:

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

Population of zone = 12000

This zone has a surface water source :R2711

PCV Exceedences:

Sample failed 31-MAR-2003 (Z2703AE) Iron = 352.  
 Sample failed 14-NOV-2003 (Z2703AE) Total Trihalomethanes = 118.300 ug.  
 Sample failed 06-MAR-2003 (Z2703AE) Total Trihalomethanes = 160.2.  
 Sample failed 31-MAR-2003 (Z2703AE) Total Trihalomethanes = 153.9.  
 Sample failed 30-APR-2003 (Z2703AE) Total Trihalomethanes = 115.8.  
 Sample failed 06-JUN-2003 (Z2703AE) Total Trihalomethanes = 152.6.  
 Sample failed 04-JUL-2003 (Z2703AE) Total Trihalomethanes = 178.8 ug/l.  
 Sample failed 04-AUG-2003 (Z2703AE) Total Trihalomethanes = 162.1.  
 Sample failed 05-SEP-2003 (Z2703AE) Total Trihalomethanes = 154.4.  
 Sample failed 03-OCT-2003 (Z2703AE) Total Trihalomethanes = 110.1.  
 Sample failed 06-NOV-2003 (Z2703AE) Total Trihalomethanes = 113.4 ug/l.  
 Sample failed 03-DEC-2003 (Z2703AE) Total Trihalomethanes = 110.0 ug/l.

Notes:

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

Water Supply Zone - Z2703C - Foffany - Castor Bay Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.900	0.900	0.900
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	< 0.020	0.028
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.350	0.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	11.000	11.000	11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.220	0.220	0.220
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.009	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z2703C - Foffany - Castor Bay Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.016	0.024
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.060	0.069
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 12000

This zone has a surface water source :R2711

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 - Z2704 - Newry  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	35	>200	2	5.714	< 21.000	< 97.714	243.000
Ammonium	mg NH4/l	S	10	9	>0.50	0	0.000	< 0.000	< 0.007	0.022
Calcium		S	1	1	>250.0	0	0.000	34.900	34.900	34.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	24.710	24.710	24.710
Colony Counts 22	No./1 ml	S	52	51		0	0.000	0.000	3.255	31.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	4.000	160.000
Colour	mg/l Pt/C	S	10	9	>20.00	50	0.000	1.190	7.876	23.440
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 0.400	< 22.975	62.500
E_Coli	No./100ml	S	60	60	>0	1	1.667	0.000	0.133	8.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	56.277	56.277	56.277
Free - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.000	0.686	1.800
Hydrogen Ion	pH value	I	42	41		0	0.000	6.700	7.503	9.360
Iron	ug Fe/l	I	36	35	>200	0	0.000	0.000	47.685	138.460
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 1.745	3.360
Magnesium		S	1	1	>50.00	0	0.000	8.000	8.000	8.000
Manganese	ug Mn/l	S	10	10	>50.0	250	0.000	< 1.000	< 8.982	27.000
Nitrate	mg NO3/l	S	10	9	>50.00	0	0.000	0.382	1.448	3.564
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.011	0.035
Odour	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	4.680	4.680	4.680
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	53.000	53.000	53.000
Potassium		S	1	1	>12.00	0	0.000	4.000	4.000	4.000
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.700	10.700	10.700
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	14.324	14.324	14.324
Taste	Diln No	S	10	9	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	4.500	11.290	18.100
Total - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.000	0.787	2.000
Total Coliforms	No./100ml	S	60	60	>0	1	1.667	0.000	0.133	8.000
Total Trihalomethanes	ug/l	S	4	3	>100.0	2	66.667	80.800	134.800	175.300
Turbidity	FTU	S	10	8	>4.00	0	0.000	< 0.120	< 0.218	0.380
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 1.200	< 24.650	90.600

Commentary on Water Quality:

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

Population of zone = 22000

This zone has a surface water source :R2308

PCV Exceedences:

- Sample failed 30-APR-2003 (Z2704AE) Aluminium = 243.
- Sample failed 07-MAY-2003 (Z2704AE) Aluminium = 241.
- Sample failed 08-OCT-2003 (Z2704AE) E\_Coli = 8 No./100m.
- Sample failed 08-OCT-2003 (Z2704AE) Total Coliforms = 8 No./100m.
- Sample failed 09-JAN-2003 (Z2704AE) Total Trihalomethanes = 148.300.
- Sample failed 07-APR-2003 (Z2704AE) Total Trihalomethanes = 175.3.

Water Supply Zone - Z2704C - Newry Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.200	0.200	0.200
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	< 0.014	0.023
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	12	>10.00	0	0.000	< 0.100	< 0.217	1.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.660	0.660	0.660
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z2704C - Newry Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	0.020
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	15	>0.20	0	0.000	< 0.020	< 0.043	0.130
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.058	0.076
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 22000

This zone has a surface water source :R2308

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 - Z2705 - Poffany - Ballymaconaghy  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	12	12	>200	0	0.000	45.000	121.833	167.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.005	0.016
Calcium		S	1	1	>250.0	0	0.000	8.700	8.700	8.700
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	11.218	11.218	11.218
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	3.000	11.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	1.667	10.000
Colour	mg/l Pt/C	S	4	4	>20.00	50	0.000	6.020	8.905	11.970
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	10.400	362.950	1294.40
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 23.493	< 23.493	< 23.493
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.450	1.119	2.600
Hydrogen Ion	pH value	I	12	12		0	0.000	6.150	7.449	9.250
Iron	ug Fe/l	I	12	11	>200	0	0.000	22.000	66.613	121.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 1.990	4.450
Magnesium		S	1	1	>50.00	0	0.000	0.900	0.900	0.900
Manganese	ug Mn/l	S	4	3	>50.0	250	0.000	2.390	3.503	5.120
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	0.446	0.945	1.271
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.010	0.025
Odour	Diln No	S	4	4	>3	4	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
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 6.000	< 6.000	< 6.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	0.900	0.900	0.900
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	11.124	11.124	11.124
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	6.700	10.300	16.500
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.640	1.163	2.700
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	4	33.333	61.800	90.758	115.400
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.150	< 0.198	0.270
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 2.900	< 31.400	107.200

Commentary on Water Quality:

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

Population of zone = 4500

PCV Exceedences:

Sample failed 19-FEB-2003 (Z2705AE) Total Trihalomethanes = 101.600.  
 Sample failed 16-JUN-2003 (Z2705AE) Total Trihalomethanes = 115.4.  
 Sample failed 17-JUL-2003 (Z2705AE) Total Trihalomethanes = 111.0 ug/l.  
 Sample failed 15-DEC-2003 (Z2705AE) Total Trihalomethanes = 100.6 ug/l.

Notes:

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

Water Supply Zone - Z2705C - Foffany - Ballymaconaghy Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.006	< 0.009
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	0.100	0.125	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.220	0.220	0.220
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.028	0.050
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 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	< 0.003	< 0.004	< 0.007
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	< 0.003	< 0.004
Endosulphan-b	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.007
Endrin	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.005
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.002	< 0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.610	0.610	0.610
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230



Water Supply Zone - Z2705C - Foffany - Ballymaconaghy Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.004
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.006
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.008
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.006

Commentary on Water Quality:

Population of zone = 4500

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 - Z2706 - Lough Ross  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	39.000	95.167	131.000
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.038	0.110
Calcium		S	1	1	>250.0	0	0.000	12.100	12.100	12.100
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	15.020	15.020	15.020
Colony Counts 22	No./l ml	S	48	47		0	0.000	0.000	16.191	459.000
Colony Counts 37 (48hrs)	No./l ml	S	48	48		0	0.000	0.000	26.667	167.000
Colour	mg/l Pt/C	S	6	6	>20.00 40	0	0.000	10.620	13.851	17.920
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	10.300	36.800	49.000
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 9.613	< 9.613	< 9.613
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	> 0.010	> 0.744	2.650
Hydrogen Ion	pH value	S	24	23		0	0.000	6.810	7.310	8.420
Iron	ug Fe/l	I	24	23	>200	0	0.000	15.440	77.189	196.700
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 0.890	< 3.710	7.690
Magnesium		S	1	1	>50.00	0	0.000	2.600	2.600	2.600
Manganese	ug Mn/l	S	6	6	>50.0 500	0	0.000	< 1.620	< 2.853	5.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	2.227	4.237	6.730
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.017	0.036
Odour	Diln No	S	6	5	>3 4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	4	33.333	1.560	4.349	6.430
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 28.000	< 28.000	< 28.000
Potassium		S	1	1	>12.00	0	0.000	2.100	2.100	2.100
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	7.300	7.300	7.300
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	10.249	10.249	10.249
Taste	Diln No	S	6	5	>3 4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	6.000	10.133	16.500
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.010	0.767	2.500
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	10	83.333	52.600	144.575	188.200
Turbidity	FTU	I	24	23	>4.00	0	0.000	< 0.030	< 0.442	2.450
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 2.800	< 15.850	35.600

Commentary on Water Quality:

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

Population of zone = 10200

PCV Exceedences:

Sample failed 24-MAR-2003 (Z2706AE) Oxidizability = 6.3.  
 Sample failed 29-AUG-2003 (Z2706AE) Oxidizability = 6.4.  
 Sample failed 23-SEP-2003 (Z2706AE) Oxidizability = 6.4.  
 Sample failed 21-OCT-2003 (Z2706AE) Oxidizability = 5.1 mg O2/.  
 Sample failed 21-JAN-2003 (Z2706AE) Total Trihalomethanes = 186.400.  
 Sample failed 25-FEB-2003 (Z2706AE) Total Trihalomethanes = 102.6.  
 Sample failed 24-MAR-2003 (Z2706AE) Total Trihalomethanes = 110.8.  
 Sample failed 27-JUN-2003 (Z2706AE) Total Trihalomethanes = 160.6.  
 Sample failed 25-JUL-2003 (Z2706AE) Total Trihalomethanes = 185.9 ug/l.  
 Sample failed 29-AUG-2003 (Z2706AE) Total Trihalomethanes = 188.2.  
 Sample failed 23-SEP-2003 (Z2706AE) Total Trihalomethanes = 177.1.  
 Sample failed 21-OCT-2003 (Z2706AE) Total Trihalomethanes = 176.7 ug/l.  
 Sample failed 28-NOV-2003 (Z2706AE) Total Trihalomethanes = 172.0 ug/l.  
 Sample failed 23-DEC-2003 (Z2706AE) Total Trihalomethanes = 135.0 ug/l.

Notes:

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

Water Supply Zone - Z2706C - Lough Ross Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.900	0.900	0.900
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.000	2.000	2.000
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	< 0.020	0.029
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	12	>10.00	0	0.000	< 0.100	< 0.242	1.700
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.380	0.380	0.380
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.007	0.010
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.015	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	0.010	0.020	0.040
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	4.550	4.550	4.550
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z2706C - Lough Ross Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.007	0.020	0.028
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	13	>0.20	1	7.692	< 0.020	< 0.043	0.290
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.090	0.147
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.003	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 10200

PCV Exceedences:

Sample failed 01-SEP-2003 (Z2706AEC) Total PAH = 0.29 ug/l.

Notes:

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

Water Supply Zone - Z2707 - Cloughinney-Ballintemple  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	12	12	>200	0	0.000	40.000	77.833	111.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.013	0.032
Calcium		S	1	1	>250.0	0	0.000	10.300	10.300	10.300
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	14.419	14.419	14.419
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	3.000	11.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	6.167	24.000
Colour	mg/l Pt/C	S	4	4	>20.00	50	0.000	4.610	13.205	19.600
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	10.700	657.850	1964.20
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	26.786	26.786	26.786
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.020	0.530	1.250
Hydrogen Ion	pH value	S	6	6		0	0.000	6.790	7.173	7.540
Iron	ug Fe/l	I	12	11	>200	0	0.000	18.170	77.347	200.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.890	< 2.143	4.890
Magnesium		S	1	1	>50.00	0	0.000	2.500	2.500	2.500
Manganese	ug Mn/l	S	4	3	>50.0	200	0.000	0.500	1.930	3.670
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.860	2.225	4.198
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
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.790	2.790	2.790
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 17.000	< 17.000	< 17.000
Potassium		S	1	1	>12.00	0	0.000	2.000	2.000	2.000
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	>250.00	0	0.000	8.015	8.015	8.015
Taste	Diln No	S	4	4	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.600	12.825	19.400
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.020	0.528	1.400
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	1	9.091	29.100	65.145	103.800
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.180	< 0.433	0.660
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	6.700	109.300	388.100

Commentary on Water Quality:

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

Population of zone = 4000

This zone has a surface water source :R2703

PCV Exceedences:

Sample failed 05-AUG-2003 (Z2707AE) Total Trihalomethanes = 103.8.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z2707C - Cloughinney-Ballintemple Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	0.002	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	12	>10.00	0	0.000	< 0.100	< 0.158	0.800
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.008	< 0.020
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.200	1.200	1.200
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z2707C - Cloughinney-Ballintemple Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.004	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	13	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

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

Water Supply Zone - Z2708 - Teemore  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	85.000	94.250	101.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.010	0.025
Calcium		S	1	1	>250.0	0	0.000	34.200	34.200	34.200
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	25.756	25.756	25.756
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	5.333	24.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12		0	0.000	0.000	5.417	60.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	6.230	10.128	16.130
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	39.500	56.225	73.100
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.020	0.233	0.600
Hydrogen Ion	pH value	S	6	5		0	0.000	7.230	7.534	7.900
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 7.560	< 27.223	38.700
Lead	ug Pb/l	I	12	11	>50.0	1	9.091	< 0.680	< 33.575	304.400
Magnesium		S	1	1	>50.00	0	0.000	7.800	7.800	7.800
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	1.800	5.240	9.480
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.858	2.002	5.093
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.000	< 0.013	0.024
Odour	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	2	16.667	0.610	3.765	5.600
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 37.000	< 37.000	< 37.000
Potassium		S	1	1	>12.00	0	0.000	4.200	4.200	4.200
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	>250.00	0	0.000	14.142	14.142	14.142
Taste	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	5.600	11.475	16.800
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.020	0.278	0.600
Total Coliforms	No./100ml	S	12	12	>0	1	8.333	0.000	0.083	1.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	9	81.818	78.100	127.891	187.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.050	< 0.295	0.630
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	7.500	45.500	96.700

Commentary on Water Quality:

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

Population of zone = 3000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 06-MAY-2003 (Z2708AE) Lead = 304.4.  
 Sample failed 08-JAN-2003 (Z2708AE) Oxidizability = 5.1.  
 Sample failed 10-FEB-2003 (Z2708AE) Oxidizability = 5.6.  
 Sample failed 09-JUL-2003 (Z2708AE) Total Coliforms = 1 No./100m.  
 Sample failed 10-FEB-2003 (Z2708AE) Total Trihalomethanes = 164.800.  
 Sample failed 10-MAR-2003 (Z2708AE) Total Trihalomethanes = 144.7.  
 Sample failed 10-APR-2003 (Z2708AE) Total Trihalomethanes = 119.7.  
 Sample failed 13-JUN-2003 (Z2708AE) Total Trihalomethanes = 155.6.  
 Sample failed 09-JUL-2003 (Z2708AE) Total Trihalomethanes = 187.0 ug/l.  
 Sample failed 14-AUG-2003 (Z2708AE) Total Trihalomethanes = 125.1.  
 Sample failed 09-OCT-2003 (Z2708AE) Total Trihalomethanes = 120.5.  
 Sample failed 12-NOV-2003 (Z2708AE) Total Trihalomethanes = 117.2 ug/l.  
 Sample failed 10-DEC-2003 (Z2708AE) Total Trihalomethanes = 105.6 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point



Water Supply Zone - Z2708C - Teemore Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	0	>0.1	0	0			
Aldrin	ug/l	S	4	0	>0.1	0	0			
Antimony	ug Sb/l	S	1	0	>10.00	0	0			
Arsenic	ug As/l	S	1	0	>50.00	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	>1000.00	0	0			
Bentazone	ug/l	S	4	0	>0.10	0	0			
Benzo 3 4 pyrene	ng/l	S	4	0	>10.00	0	0			
Boron	ug B/l	S	1	0	>2000.00	0	0			
Cadmium	ug Cd/l	S	1	0	>5.00	0	0			
Chlorfenvinphos	ug/l	S	4	0	>0.10	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	>50.00	0	0			
Clopyralid	ug/l	S	4	0	>0.10	0	0			
Cyanide	ug CN/l	S	1	0	>50.00	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			
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			
Flutriafol	ug/l	S	4	0	>0.10	0	0			
Gamma-HCH (Lindane)	ug/l	S	4	0	>0.100	0	0			
Glyphosate	ug/l	S	4	0	>0.10	0	0			
Hexachlorobenzene	ug/l	S	4	0	>0.10	0	0			
Isoproturon	ug/l	S	4	0	>0.10	0	0			
MCPA	ug/l	S	4	0	>0.10	0	0			
Malathion	ug/l	S	4	0	>0.10	0	0			
Mecoprop (MCPP)	ug/l	S	4	0	>0.10	0	0			
Mercury	ug Hg/l	S	1	0	>1.00	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	0	0			
Parathion	ug/l	S	4	0	>0.10	0	0			
Pentachlorophenol	ug/l	S	4	0	>0.10	0	0			
Propetamphos	ug/l	S	4	0	>0.10	0	0			
Selenium	ug Se/l	S	1	0	>10.00	0	0			
Silver	ug Ag/l	S	1	0	>10.00	0	0			

Water Supply Zone - Z2708C - Teemore Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Simazine	ug/l	S	4	0	>0.10	0	0			
Surfactants	ug/l L.SO	S	1	0	>200.00	0	0			
Tecnazene	ug/l	S	4	0	>0.10	0	0			
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 PAH	ug/l	S	4	0	>0.20	0	0			
Total Pesticides	ug/l	S	4	0	>0.50	0	0			
Trichloroethene	ug/l	S	4	0	>30.00	0	0			
Trifluralin	ug/l	S	4	0	>0.10	0	0			
op-DDT	ug/l	S	4	0	>0.10	0	0			
pp-DDT	ug/l	S	4	0	>0.10	0	0			

Commentary on Water Quality:

Population of zone = 3000

This zone has a surface water source :R2308

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 - Z2709 - Silent Valley  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	500	0	0.000	78.000	186.000	281.000
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	0.008	0.014	0.028
Calcium		S	1	1	>250.0		0	0.000	3.300	3.300	3.300
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	10.624	10.624	10.624
Colony Counts 22	No./1 ml	S	24	24			0	0.000	0.000	13.375	154.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24			0	0.000	0.000	1.542	13.000
Colour	mg/l Pt/C	S	4	4	>20.00	35	0	0.000	3.330	7.884	11.940
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	11.000	46.450	104.900
E_Coli	No./100ml	S	24	24	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	162.987	162.987	162.987
Free - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.000	0.764	2.300
Hydrogen Ion	pH value	I	24	24			0	0.000	5.990	6.883	8.200
Iron	ug Fe/l	I	24	24	>200		3	12.500	10.120	157.783	1582.50
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	< 0.680	< 0.868	1.000
Magnesium		S	1	1	>50.00		0	0.000	0.600	0.600	0.600
Manganese	ug Mn/l	S	4	4	>50.0	200	0	0.000	5.100	13.625	25.140
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	1.636	1.836	2.033
Nitrite	mg NO2/l	S	4	4	>0.100		0	0.000	< 0.000	< 0.004	0.016
Odour	Diln No	S	4	3	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	3.670	3.670	3.670
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 3.000	< 3.000	< 3.000
Potassium		S	1	1	>12.00		0	0.000	0.700	0.700	0.700
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	4.600	4.600	4.600
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	1.625	1.625	1.625
Taste	Diln No	S	4	3	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	4.000	9.675	16.200
Total - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.020	0.844	2.500
Total Coliforms	No./100ml	S	24	24	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		6	54.545	82.000	119.355	157.600
Turbidity	FTU	S	4	4	>4.00		0	0.000	0.430	1.135	2.750
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	13.000	22.550	43.600

Commentary on Water Quality:

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

Population of zone = 6000

PCV Exceedences:

Sample failed 03-JAN-2003 (Z2709AE) Iron = 353 ug Fe/.  
 Sample failed 07-NOV-2003 (Z2709AE) Iron = 315 ug Fe/.  
 Sample failed 24-NOV-2003 (Z2709AE) Iron = 1583 ug Fe/.  
 Sample failed 20-FEB-2003 (Z2709AE) Total Trihalomethanes = 134.500.  
 Sample failed 19-AUG-2003 (Z2709AE) Total Trihalomethanes = 144.7.  
 Sample failed 15-SEP-2003 (Z2709AE) Total Trihalomethanes = 142.7.  
 Sample failed 14-OCT-2003 (Z2709AE) Total Trihalomethanes = 143.2 ug/l.  
 Sample failed 24-NOV-2003 (Z2709AE) Total Trihalomethanes = 149.3 ug/l.  
 Sample failed 23-DEC-2003 (Z2709AE) Total Trihalomethanes = 157.6 ug/l.

Water Supply Zone - Z2709C - Silent Valley Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.200	0.200	0.200
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	< 0.006	0.007
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	12	>10.00	0	0.000	< 0.100	< 0.333	1.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.540	0.540	0.540
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.023	0.030
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z2709C - Silent Valley Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.004	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	13	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.061	0.095
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 6000

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 - Z3301 - Cavehill  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	< 0.000	< 6.830	15.900
Ammonium	mg NH4/l	S	10	9	>0.50		0	0.000	< 0.000	< 0.014	0.033
Calcium	ug Cu/l	S	1	1	>250.0		0	0.000	29.100	29.100	29.100
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	20.480	20.480	20.480
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	8.846	100.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	2.173	50.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	< 0.000	< 3.177	9.840
Copper	ug Cu/l	S	4	3	>3000.00		0	0.000	10.200	34.167	76.700
E_Coli	No./100ml	S	96	96	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	96	96			0	0.000	0.020	0.119	1.500
Hydrogen Ion	pH value	S	60	60	9.5		0	0.000	6.930	7.518	7.960
Iron	ug Fe/l	I	48	47	>200		0	0.000	< 0.000	< 28.755	142.700
Lead	ug Pb/l	I	24	24	>50.0		2	8.333	< 0.000	< 18.291	73.000
Magnesium	ug Mn/l	S	1	1	>50.00		0	0.000	10.200	10.200	10.200
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	<0	< 0.810	2.200
Nitrate	mg NO3/l	S	10	9	>50.00		0	0.000	1.491	2.729	4.604
Nitrite	mg NO2/l	S	10	9	>0.100		0	0.000	< 0.000	< 0.017	0.030
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00		0	0.000	1.942	2.876	4.370
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 7.000	< 7.000	< 7.000
Potassium	ug K/l	S	1	1	>12.00		0	0.000	1.400	1.400	1.400
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	11.600	11.600	11.600
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	67.616	67.616	67.616
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	5.800	11.840	17.900
Total - Residual disinfect	mg Cl/l	S	96	96			0	0.000	0.040	0.276	2.000
Total Coliforms	No./100ml	S	96	96	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	24	23	>100.0		0	0.000	25.300	59.383	97.000
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.120	0.489	2.300
Zinc	ug Zn/l	S	4	3	>5000.00		0	0.000	6.600	11.867	17.300

Commentary on Water Quality:

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

Population of zone = 38900

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 15-AUG-2003 (Z3301AE) Lead = 73 ug Pb/l.

Sample failed 04-SEP-2003 (Z3301AE) Lead = 61.

Water Supply Zone - Z3301C - Cavehill Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	0.011	0.014
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	12.000	12.000	12.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.640	0.640	0.640
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3301C - Cavehill Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.006	0.009	0.013
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.005	0.010

Commentary on Water Quality:

Population of zone = 38900

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



Water Supply Zone - Z3302 - Ballygomartin  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	0	0.000	< 2.500	< 7.239	30.500
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.019	0.095
Calcium		S	1	1	>250.0	0	0.000	38.400	38.400	38.400
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.798	21.798	21.798
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	3.135	138.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	0.385	5.000
Colour	mg/l Pt/C	S	10	10	>20.00	30	0.000	1.000	2.954	8.190
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	37.600	134.175	176.100
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	50.816	50.816	50.816
Free - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.020	0.160	0.500
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	7.280	7.513	7.790
Iron	ug Fe/l	I	36	36	>200	0	0.000	<0	< 19.283	132.200
Lead	ug Pb/l	I	12	12	>50.0	1	8.333	< 0.170	< 14.238	57.000
Magnesium		S	1	1	>50.00	0	0.000	7.600	7.600	7.600
Manganese	ug Mn/l	S	10	9	>50.0	100	0.000	< 0.000	< 0.667	1.300
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.607	3.801	13.991
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.020	0.087
Odour	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.340	2.340	2.340
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	60.000	60.000	60.000
Potassium		S	1	1	>12.00	0	0.000	4.100	4.100	4.100
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.900	10.900	10.900
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	14.084	14.084	14.084
Taste	Diln No	S	10	10	>3	4	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.400	13.110	18.800
Total - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.080	0.342	0.800
Total Coliforms	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	47.800	64.482	85.900
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.125	0.318	1.400
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 0.900	< 5.025	8.000

Commentary on Water Quality:

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

Population of zone = 34200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 30-JUN-2003 (Z3302AE) Lead = 57 ug Pb/l.

Water Supply Zone - Z3302C - Ballygomartin Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	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	0.010	0.013
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.700	2.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	20.000	20.000	20.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	1.880	1.880	1.880
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3302C - Ballygomartin Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.008
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 34200

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

Water Supply Zone - Z3304 - Divis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	0	0.000	< 0.000	< 15.619	52.500
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.014	0.040
Calcium		S	1	1	>250.0	0	0.000	33.800	33.800	33.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.702	21.702	21.702
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	11.712	452.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	4.385	172.000
Colour	mg/l Pt/C	S	10	10	>20.00 30	0	0.000	< 0.000	< 2.331	4.000
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	14.300	136.375	447.600
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 18.970	< 18.970	< 18.970
Free - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.020	0.094	0.300
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	6.820	7.469	7.910
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 0.000	< 23.260	117.500
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 0.670	< 2.803	4.900
Magnesium		S	1	1	>50.00	0	0.000	11.200	11.200	11.200
Manganese	ug Mn/l	S	10	10	>50.0 100	0	0.000	<0	< 0.850	3.800
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.829	3.047	4.604
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.000	< 0.013	0.026
Odour	Diln No	S	10	10	>3 4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.160	1.160	1.160
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 20.000	< 20.000	< 20.000
Potassium		S	1	1	>12.00	0	0.000	1.400	1.400	1.400
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	12.400	12.400	12.400
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	71.698	71.698	71.698
Taste	Diln No	S	10	10	>3 4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.200	11.640	17.900
Total - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.040	0.235	0.400
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	13.200	46.683	85.400
Turbidity	FTU	I	36	36	>4.00	0	0.000	0.110	0.342	2.100
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.400	< 30.875	92.400

Commentary on Water Quality:

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

Population of zone = 20100

This zone has a surface water source :R3301

PCV Exceedences:

Water Quality was satisfactory

Water Supply Zone - Z3304C - Divis Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.500	0.500	0.500
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	0.008	0.011	0.015
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.425	1.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	17.000	17.000	17.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.730	0.730	0.730
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.003	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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.300	1.300	1.300
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z3304C - Divis Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.007	0.008	0.008
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	0.000	< 0.003	< 0.004

Commentary on Water Quality:

Population of zone = 20100

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

Water Supply Zone - Z3306 - Hydepark  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	0	0.000	< 0.000	< 6.800	22.500
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	< 0.000	< 0.017	0.034
Calcium		S	1	1	>250.0	0	0.000	35.500	35.500	35.500
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.307	22.307	22.307
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	28.188	800.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48		0	0.000	0.000	14.438	210.000
Colour	mg/l Pt/C	S	6	6	>20.00 30	0	0.000	< 0.010	< 3.212	9.000
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	29.800	88.150	191.600
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	46.151	46.151	46.151
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.020	0.230	0.700
Hydrogen Ion	pH value	S	24	24	9.5	0	0.000	7.270	7.449	7.590
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 7.000	< 18.350	30.900
Lead	ug Pb/l	I	12	12	>50.0	1	8.333	< 0.340	< 14.088	62.280
Magnesium		S	1	1	>50.00	0	0.000	7.800	7.800	7.800
Manganese	ug Mn/l	S	6	6	>50.0 100	0	0.000	< 0.400	< 1.600	3.200
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	1.320	3.093	4.901
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.000	< 0.015	0.032
Odour	Diln No	S	6	6	>3 4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.520	2.520	2.520
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 44.000	< 44.000	< 44.000
Potassium		S	1	1	>12.00	0	0.000	4.400	4.400	4.400
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.400	10.400	10.400
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	13.840	13.840	13.840
Taste	Diln No	S	6	6	>3 4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	6.200	11.783	18.900
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.040	0.433	1.500
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	14.700	50.575	74.500
Turbidity	FTU	S	6	6	>4.00	0	0.000	0.120	0.561	1.450
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 0.500	< 6.850	12.300

Commentary on Water Quality:

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

Population of zone = 11200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 28-NOV-2003 (Z3306AE) Lead = 62 ug Pb/l.

Water Supply Zone - Z3306C - Hydepark Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.700	0.700	0.700
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	0.011	0.015
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.300	0.900
Boron	ug B/l	S	1	1	>2000.00	0	0.000	17.000	17.000	17.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230



Water Supply Zone - Z3306C - HydePark Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.006	0.008	0.009
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 11200

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

Water Supply Zone - Z3308 - Whiterock  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	< 2.200	< 6.220	< 9.400
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.026	0.130
Calcium		S	1	1	>250.0		0	0.000	35.100	35.100	35.100
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	22.243	22.243	22.243
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	3.846	78.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	8.981	424.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	< 0.010	< 2.615	9.330
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	43.000	155.850	213.500
E_Coli	No./100ml	S	60	60	>0		1	1.667	0.000	0.017	1.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	31.093	31.093	31.093
Free - Residual disinfect	mg Cl/l	S	60	60			0	0.000	0.020	0.124	0.300
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	7.140	7.513	7.790
Iron	ug Fe/l	S	10	10	>200		0	0.000	<0	< 10.840	26.900
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	2.050	4.380	5.910
Magnesium		S	1	1	>50.00		0	0.000	7.900	7.900	7.900
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	<0	< 1.380	5.200
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.506	2.697	4.634
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.013	0.026
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00		0	0.000	1.350	2.624	4.400
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 39.000	< 39.000	< 39.000
Potassium		S	1	1	>12.00		0	0.000	4.100	4.100	4.100
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	>250.00		0	0.000	12.936	12.936	12.936
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.500	12.610	18.600
Total - Residual disinfect	mg Cl/l	S	60	60			0	0.000	0.040	0.278	0.600
Total Coliforms	No./100ml	S	60	60	>0		1	1.667	0.000	0.017	1.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		1	8.333	37.600	75.917	135.600
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.110	0.357	1.350
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 3.000	< 41.325	115.500

Commentary on Water Quality:

I: Increased frequency of analysis for Oxidizability, Total Trihalomethanes

Population of zone = 23000

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 03-APR-2003 (Z3308AE) E\_Coli = 1.  
 Sample failed 03-APR-2003 (Z3308AE) Total Coliforms = 1.  
 Sample failed 22-OCT-2003 (Z3308AE) Total Trihalomethanes = 135.6 ug/l.

Water Supply Zone - Z3308C - Whiterock Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	0	>10.00	0	0			
Arsenic	ug As/l	S	1	0	>50.00	0	0			
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	0.011	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	0	>1000.00	0	0			
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	>10.00	2	50.000	< 0.100	< 9.300	18.500
Boron	ug B/l	S	1	0	>2000.00	0	0			
Cadmium	ug Cd/l	S	1	0	>5.00	0	0			
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	0	>50.00	0	0			
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	0	>50.00	0	0			
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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	0	>1.00	0	0			
Nickel	ug Ni/l	S	1	0	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	0	>10.00	0	0			
Silver	ug Ag/l	S	1	0	>10.00	0	0			

Water Supply Zone - Z3308C - Whiterock Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.007	0.008	0.009
Surfactants ug/l L.SO	S	1	0	>200.00	0	0			
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.090	0.160
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 23000

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 14-JAN-2003 (Z3308AEC) Benzo 3 4 pyrene = 18.5 ng/l.  
 Sample failed 13-MAY-2003 (Z3308AEC) Benzo 3 4 pyrene = 18.5 ng/l.

Notes:

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

Water Supply Zone - Z3309 - Jordanstown  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	13.400	27.960	46.600
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.013	0.047
Calcium		S	1	1	>250.0	0	0.000	34.900	34.900	34.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.934	21.934	21.934
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	17.308	322.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	9.750	200.000
Colour	mg/l Pt/C	S	10	10	>20.00 40	0	0.000	< 0.000	< 3.774	10.030
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	13.400	138.000	390.900
E_Coli	No./100ml	S	84	83	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 13.841	< 13.841	< 13.841
Free - Residual disinfect	mg Cl/l	S	84	83		0	0.000	< 0.020	< 0.061	0.200
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	6.740	7.217	7.680
Iron	ug Fe/l	I	36	36	>200	2	5.556	< 8.500	< 87.311	560.800
Lead	ug Pb/l	I	12	12	>50.0	1	8.333	<0	< 12.198	60.820
Magnesium		S	1	1	>50.00	0	0.000	10.800	10.800	10.800
Manganese	ug Mn/l	S	10	10	>50.0 200	0	0.000	1.700	5.070	12.500
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.182	3.513	6.553
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00	0	0.000	0.200	1.407	2.540
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 13.000	< 13.000	< 13.000
Potassium		S	1	1	>12.00	0	0.000	1.500	1.500	1.500
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	12.300	12.300	12.300
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	70.452	70.452	70.452
Taste	Diln No	S	10	10	>3 4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.500	11.440	18.900
Total - Residual disinfect	mg Cl/l	S	84	83		0	0.000	< 0.020	< 0.123	0.300
Total Coliforms	No./100ml	S	84	83	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	23.900	37.217	50.700
Turbidity	FTU	I	36	36	>4.00	0	0.000	0.110	0.555	3.400
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	6.000	19.375	58.700

Commentary on Water Quality:

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

Population of zone = 32700

This zone has a surface water source :R3316

PCV Exceedences:

Sample failed 23-JAN-2003 (Z3309AE) Iron = 273.  
 Sample failed 19-AUG-2003 (Z3309AE) Iron = 561.  
 Sample failed 13-FEB-2003 (Z3309AE) Lead = 61.

Water Supply Zone - Z3309C - Jordanstown Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.800	0.800	0.800
Arsenic	ug As/l	S	1	1	>50.00	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	0.006	0.010
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	1	25.000	< 0.004	< 0.056	0.180
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3309C - Jordanstown Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.003	0.005	0.006
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.084	0.187
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 32700

This zone has a surface water source :R3316

PCV Exceedences:

Sample failed 10-JUN-2003 (Z3309AEC) MCPA = 0.18 ug/l.

Notes:

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

Water Supply Zone - Z3313 - Poleglass  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	500	0	0.000	< 1.100	< 8.067	13.500
Ammonium	mg NH4/l	S	6	6	>0.50		0	0.000	0.006	0.015	0.030
Calcium		S	1	1	>250.0		0	0.000	28.400	28.400	28.400
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	23.949	23.949	23.949
Colony Counts 22	No./1 ml	S	48	48			0	0.000	0.000	9.104	254.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48			0	0.000	0.000	3.646	136.000
Colour	mg/l Pt/C	S	6	6	>20.00	35	0	0.000	3.100	9.728	14.850
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	25.700	50.050	105.600
E_Coli	No./100ml	S	48	48	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	26.206	26.206	26.206
Free - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.099	0.300
Hydrogen Ion	pH value	S	24	24	9.5		0	0.000	7.350	7.526	7.700
Iron	ug Fe/l	I	24	24	>200		1	4.167	< 0.200	< 45.771	446.600
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	1.760	13.505	36.090
Magnesium		S	1	1	>50.00		0	0.000	12.400	12.400	12.400
Manganese	ug Mn/l	S	6	6	>50.0	100	0	0.000	0.600	10.967	35.300
Nitrate	mg NO3/l	S	6	6	>50.00		0	0.000	0.683	3.093	8.910
Nitrite	mg NO2/l	S	6	6	>0.100		0	0.000	< 0.000	< 0.012	0.017
Odour	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	3.564	3.564	3.564
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	56.000	56.000	56.000
Potassium		S	1	1	>12.00		0	0.000	2.500	2.500	2.500
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	>250.00		0	0.000	13.264	13.264	13.264
Taste	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0		0	0.000	6.700	12.317	18.900
Total - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.040	0.230	0.400
Total Coliforms	No./100ml	S	48	48	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		5	41.667	71.400	98.633	143.900
Turbidity	FTU	I	24	24	>4.00		0	0.000	0.140	0.419	2.090
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 4.400	< 20.275	57.000

Commentary on Water Quality:

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

Population of zone = 19000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 14-NOV-2003 (Z3313AE) Iron = 447 ug Fe/.  
 Sample failed 14-JAN-2003 (Z3313AE) Total Trihalomethanes = 101.200 ug.  
 Sample failed 28-FEB-2003 (Z3313AE) Total Trihalomethanes = 101.6.  
 Sample failed 21-MAY-2003 (Z3313AE) Total Trihalomethanes = 143.9 ug/l.  
 Sample failed 30-JUN-2003 (Z3313AE) Total Trihalomethanes = 106.7 ug/l.  
 Sample failed 24-JUL-2003 (Z3313AE) Total Trihalomethanes = 120.8 ug/l.



Water Supply Zone - Z3313C - Poleglass Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.500	0.500	0.500
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	0.009	0.015	0.022
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.225	0.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	21.000	21.000	21.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z3313C - Poleglass Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.005	0.011	0.015
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.007	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.003	< 0.004

Commentary on Water Quality:

Population of zone = 19000

This zone has a surface water source :R2308

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 - Z3315 - Dundonald  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	48	48	>200	500	0	0.000	125.300	202.728	281.300
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.011	0.030
Calcium		S	1	1	>250.0		0	0.000	4.800	4.800	4.800
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	11.100	11.100	11.100
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	6.423	200.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	4.077	210.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	4.000	10.356	30.200
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	29.500	193.450	416.400
E_Coli	No./100ml	S	108	108	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	171.850	171.850	171.850
Free - Residual disinfect	mg Cl/l	S	108	108			0	0.000	0.020	0.126	1.500
Hydrogen Ion	pH value	I	60	58	9.5		0	0.000	6.300	6.908	7.510
Iron	ug Fe/l	I	48	48	>200		2	4.167	38.100	87.206	301.800
Lead	ug Pb/l	I	24	24	>50.0		4	16.667	< 0.140	< 22.523	118.600
Magnesium		S	1	1	>50.00		0	0.000	0.600	0.600	0.600
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	3.700	9.720	36.300
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.711	1.971	2.184
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	3.175	3.175	3.175
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 16.980	< 16.980	< 16.980
Potassium		S	1	1	>12.00		0	0.000	0.500	0.500	0.500
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	4.200	4.200	4.200
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	3.330	3.330	3.330
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	5.500	11.600	18.600
Total - Residual disinfect	mg Cl/l	S	108	108			0	0.000	0.020	0.223	2.500
Total Coliforms	No./100ml	S	108	108	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	24	23	>100.0		14	60.870	80.000	114.226	160.100
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.430	1.008	2.300
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	11.400	34.325	56.400

Commentary on Water Quality:

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

Population of zone = 40500

PCV Exceedences:

Sample failed 07-OCT-2003 (Z3315AE) Iron = 302.  
 Sample failed 25-NOV-2003 (Z3315AE) Iron = 222 ug Fe/.  
 Sample failed 24-JUN-2003 (Z3315AE) Lead = 108 ug Pb/.  
 Sample failed 29-JUL-2003 (Z3315AE) Lead = 119 ug Pb/.  
 Sample failed 08-AUG-2003 (Z3315AE) Lead = 77.  
 Sample failed 26-SEP-2003 (Z3315AE) Lead = 71.  
 Sample failed 16-MAY-2003 (Z3315AE) Total Trihalomethanes = 118.7 ug/l.  
 Sample failed 24-JUN-2003 (Z3315AE) Total Trihalomethanes = 116.6 ug/l.  
 Sample failed 04-JUL-2003 (Z3315AE) Total Trihalomethanes = 113.8 ug/l.  
 Sample failed 29-JUL-2003 (Z3315AE) Total Trihalomethanes = 123.2 ug/l.  
 Sample failed 08-AUG-2003 (Z3315AE) Total Trihalomethanes = 160.1.  
 Sample failed 27-AUG-2003 (Z3315AE) Total Trihalomethanes = 126.0.  
 Sample failed 18-SEP-2003 (Z3315AE) Total Trihalomethanes = 148.0.  
 Sample failed 26-SEP-2003 (Z3315AE) Total Trihalomethanes = 141.0.  
 Sample failed 13-OCT-2003 (Z3315AE) Total Trihalomethanes = 130.9.  
 Sample failed 22-OCT-2003 (Z3315AE) Total Trihalomethanes = 135.0 ug/l.  
 Sample failed 25-NOV-2003 (Z3315AE) Total Trihalomethanes = 125.8 ug/l.  
 Sample failed 21-NOV-2003 (Z3315AE) Total Trihalomethanes = 126.0 ug/l.  
 Sample failed 19-DEC-2003 (Z3315AE) Total Trihalomethanes = 104.4 ug/l.  
 Sample failed 30-DEC-2003 (Z3315AE) Total Trihalomethanes = 147.1 ug/l.

Notes:

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

Water Supply Zone - Z3315C - Dundonald Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.400	0.400	0.400
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	0.002	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.325	1.000
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.500	0.500	0.500
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3315C - Dundonald Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	33.000	33.000	33.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.052	0.059
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 40500

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 - Z3316 - Purdysburn E1  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	500	1	2.778	121.400	204.931	746.100
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.014	0.053
Calcium		S	1	1	>250.0		0	0.000	6.100	6.100	6.100
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	13.400	13.400	13.400
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	2.462	79.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	1.365	40.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	5.612	8.332	11.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	13.000	88.575	176.600
E_Coli	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	177.620	177.620	177.620
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.094	0.600
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	6.670	6.958	7.310
Iron	ug Fe/l	I	36	36	>200		2	5.556	40.800	99.342	510.200
Lead	ug Pb/l	I	12	12	>50.0		6	50.000	< 0.860	< 89.463	273.180
Magnesium		S	1	1	>50.00		0	0.000	1.000	1.000	1.000
Manganese	ug Mn/l	I	36	35	>50.0	200	0	0.000	4.000	9.894	106.600
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.732	2.045	2.387
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.388	2.388	2.388
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 11.740	< 11.740	< 11.740
Potassium		S	1	1	>12.00		0	0.000	0.700	0.700	0.700
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	>250.00		0	0.000	6.150	6.150	6.150
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.300	12.830	18.100
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.180	1.000
Total Coliforms	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		6	54.545	60.600	106.909	161.000
Turbidity	FTU	I	36	16	>4.00		1	6.250	0.470	1.144	4.190
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	8.800	46.500	123.600

Commentary on Water Quality:

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

Population of zone = 25100

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 27-AUG-2003 (Z3316AE) Aluminium = 746.  
 Sample failed 02-JUL-2003 (Z3316AE) Iron = 237 ug Fe/.  
 Sample failed 27-AUG-2003 (Z3316AE) Iron = 510.  
 Sample failed 08-JAN-2003 (Z3316AE) Lead = 256.  
 Sample failed 09-APR-2003 (Z3316AE) Lead = 63.  
 Sample failed 19-MAY-2003 (Z3316AE) Lead = 111 ug Pb/.  
 Sample failed 11-JUN-2003 (Z3316AE) Lead = 222 ug Pb/.  
 Sample failed 14-AUG-2003 (Z3316AE) Lead = 56.  
 Sample failed 19-SEP-2003 (Z3316AE) Lead = 273.  
 Sample failed 09-APR-2003 (Z3316AE) Total Trihalomethanes = 104.1.  
 Sample failed 11-JUL-2003 (Z3316AE) Total Trihalomethanes = 143.5 ug/l.  
 Sample failed 14-AUG-2003 (Z3316AE) Total Trihalomethanes = 161.0.  
 Sample failed 19-SEP-2003 (Z3316AE) Total Trihalomethanes = 110.3.  
 Sample failed 10-OCT-2003 (Z3316AE) Total Trihalomethanes = 151.5.  
 Sample failed 25-NOV-2003 (Z3316AE) Total Trihalomethanes = 120.5 ug/l.  
 Sample failed 27-AUG-2003 (Z3316AE) Turbidity = 4.2.

Notes:

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

Water Supply Zone - Z3316C - Purdysburn E1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.325	1.000
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 0.007
Dicamba	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.007	0.010
Dichlorbenil	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3316C - Purdysburn E1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.052	0.059
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 25100

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



Water Supply Zone - Z3317 - Purdysburn E2  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	500	0	0.000	109.300	199.219	287.700
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.011	0.027
Calcium		S	1	1	>250.0		0	0.000	6.400	6.400	6.400
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	11.813	11.813	11.813
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	2.538	100.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	1.635	74.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	5.300	9.477	16.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	15.900	60.300	102.200
E_Coli	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	166.776	166.776	166.776
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.116	0.500
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	6.520	6.955	7.640
Iron	ug Fe/l	I	36	36	>200		3	8.333	43.800	103.236	366.700
Lead	ug Pb/l	I	12	12	>50.0		3	25.000	< 1.090	< 28.605	127.000
Magnesium		S	1	1	>50.00		0	0.000	1.000	1.000	1.000
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	4.200	8.020	11.800
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.705	2.176	3.603
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.003	0.026
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.090	2.090	2.090
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 5.810	< 5.810	< 5.810
Potassium		S	1	1	>12.00		0	0.000	0.700	0.700	0.700
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	>250.00		0	0.000	3.355	3.355	3.355
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.800	12.390	21.500
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.190	0.700
Total Coliforms	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		6	54.545	69.200	102.318	151.400
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.560	0.983	1.740
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	9.700	16.175	27.600

Commentary on Water Quality:

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

Population of zone = 25300

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 24-FEB-2003 (Z3317AE) Iron = 367.  
 Sample failed 20-NOV-2003 (Z3317AE) Iron = 242 ug Fe/.  
 Sample failed 15-DEC-2003 (Z3317AE) Iron = 215 ug Fe/.  
 Sample failed 15-JAN-2003 (Z3317AE) Lead = 55.  
 Sample failed 19-MAY-2003 (Z3317AE) Lead = 127 ug Pb/.  
 Sample failed 30-JAN-2003 (Z3317AE) Lead = 55.  
 Sample failed 17-JUN-2003 (Z3317AE) Total Trihalomethanes = 100.6 ug/l.  
 Sample failed 29-JUL-2003 (Z3317AE) Total Trihalomethanes = 111.0 ug/l.  
 Sample failed 27-AUG-2003 (Z3317AE) Total Trihalomethanes = 105.0.  
 Sample failed 14-OCT-2003 (Z3317AE) Total Trihalomethanes = 151.4 ug/l.  
 Sample failed 22-OCT-2003 (Z3317AE) Total Trihalomethanes = 117.0 ug/l.  
 Sample failed 15-APR-2003 (Z3317AE) Total Trihalomethanes = 104.3.

Notes:

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

Water Supply Zone - Z3317C - Purdysburn E2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.300	2.300	2.300
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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.325	0.800
Boron	ug B/l	S	1	1	>2000.00	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.000	1.000	1.000
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3317C - Purdysburn E2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 25300

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

Water Supply Zone - Z3318 - Purdysburn W1  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	< 1.000	< 13.940	70.400
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.040	0.320
Calcium		S	1	1	>250.0		0	0.000	37.400	37.400	37.400
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	24.795	24.795	24.795
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	29.154	420.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	3.673	100.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	1.000	6.106	14.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	35.600	59.225	125.000
E_Coli	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.123	0.400
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	7.140	7.503	7.840
Iron	ug Fe/l	I	36	35	>200		1	2.857	< 0.400	< 37.489	227.000
Lead	ug Pb/l	I	12	12	>50.0		0	0.000	< 0.840	< 10.637	29.270
Magnesium		S	1	1	>50.00		0	0.000	10.200	10.200	10.200
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	< 0.000	< 7.160	42.700
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.403	2.439	4.330
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.011	0.028
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.656	2.656	2.656
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	136.100	136.100	136.100
Potassium		S	1	1	>12.00		0	0.000	4.300	4.300	4.300
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	13.800	13.800	13.800
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	15.635	15.635	15.635
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.000	12.390	18.300
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.080	0.282	0.500
Total Coliforms	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		4	33.333	46.200	81.375	119.700
Turbidity	FTU	I	36	36	>4.00		0	0.000	0.150	0.646	3.040
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 2.900	< 6.650	13.200

Commentary on Water Quality:

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

Population of zone = 25150

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 22-OCT-2003 (Z3318AE) Iron = 227 ug Fe/.  
 Sample failed 25-FEB-2003 (Z3318AE) Total Trihalomethanes = 102.5.  
 Sample failed 24-JUL-2003 (Z3318AE) Total Trihalomethanes = 100.5 ug/l.  
 Sample failed 29-AUG-2003 (Z3318AE) Total Trihalomethanes = 108.6.  
 Sample failed 22-OCT-2003 (Z3318AE) Total Trihalomethanes = 119.7 ug/l.

Notes:

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

Water Supply Zone - Z3318C - Purdysburn W1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.900	0.900	0.900
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	0.013	0.017
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.007	0.010
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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.008	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.980	0.980	0.980
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3318C - Purdysburn W1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.007	0.009	0.013
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.051	0.054
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 25150

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

Water Supply Zone - Z3319 - Purdysburn W2  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	< 4.800	< 43.750	183.800
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.014	0.034
Calcium		S	1	1	>250.0		0	0.000	33.600	33.600	33.600
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	24.762	24.762	24.762
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	27.923	786.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	2.923	75.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	< 0.310	< 5.173	12.040
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	53.900	125.850	199.100
E_Coli	No./100ml	S	72	72	>0		1	1.389	0.000	0.125	9.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.110	0.700
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	6.750	7.439	7.970
Iron	ug Fe/l	I	36	36	>200		0	0.000	< 0.000	< 47.233	145.600
Lead	ug Pb/l	I	12	12	>50.0		0	0.000	< 0.520	< 14.463	33.360
Magnesium		S	1	1	>50.00		0	0.000	3.900	3.900	3.900
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	1.400	7.250	18.500
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.361	2.425	4.454
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.008	0.026
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.630	2.630	2.630
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	115.400	115.400	115.400
Potassium		S	1	1	>12.00		0	0.000	10.700	10.700	10.700
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	11.600	11.600	11.600
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	16.983	16.983	16.983
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	5.700	13.210	19.100
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.040	0.232	0.800
Total Coliforms	No./100ml	S	72	72	>0		2	2.778	0.000	0.736	44.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		2	18.182	56.400	82.027	139.000
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.200	0.406	0.850
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	8.600	36.475	97.900

Commentary on Water Quality:

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

Population of zone = 25250

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 24-JUN-2003 (Z3319AE) E\_Coli = 9 No./100m.  
 Sample failed 24-JUN-2003 (Z3319AE) Total Coliforms = 9 No./100m.  
 Sample failed 17-FEB-2003 (Z3319AE) Total Coliforms = 44.  
 Sample failed 08-AUG-2003 (Z3319AE) Total Trihalomethanes = 139.0.  
 Sample failed 19-SEP-2003 (Z3319AE) Total Trihalomethanes = 104.9.

Notes:

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

Water Supply Zone - Z3319C - Purdysburn W2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.010	0.012
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.250	0.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	14.000	14.000	14.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	1.820	1.820	1.820
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.400	1.400	1.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500



Water Supply Zone - Z3319C - Purdysburn W2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Simazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Surfactants	ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 25250

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

Water Supply Zone - Z3320 - Breda 1  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	500	1	2.778	83.200	182.808	696.200
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.011	0.058
Calcium		S	1	1	>250.0		0	0.000	5.400	5.400	5.400
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	12.181	12.181	12.181
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	2.750	33.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	0.654	15.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	2.070	5.451	11.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	4.900	92.425	313.600
E_Coli	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	121.738	121.738	121.738
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.102	0.400
Hydrogen Ion	pH value	I	42	42	9.5		0	0.000	6.750	7.178	7.790
Iron	ug Fe/l	I	36	36	>200		1	2.778	28.000	86.508	524.000
Lead	ug Pb/l	I	12	12	>50.0		2	16.667	< 0.540	< 23.368	101.020
Magnesium		S	1	1	>50.00		0	0.000	0.700	0.700	0.700
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	3.900	6.910	10.600
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.844	2.143	2.899
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	0.000	0.000	0.345	3.450
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.773	2.773	2.773
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 0.570	< 0.570	< 0.570
Potassium		S	1	1	>12.00		0	0.000	0.100	0.100	0.100
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	>250.00		0	0.000	< 0.762	< 0.762	< 0.762
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.345	3.450
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.300	13.540	19.200
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.187	0.500
Total Coliforms	No./100ml	S	72	71	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		7	63.636	83.800	108.145	127.500
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.170	0.869	1.740
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 2.500	< 16.025	34.300

Commentary on Water Quality:

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

Population of zone = 26200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 19-DEC-2003 (Z3320AE) Aluminium = 696 ug Al/.  
 Sample failed 19-DEC-2003 (Z3320AE) Iron = 524 ug Fe/.  
 Sample failed 18-SEP-2003 (Z3320AE) Lead = 53.  
 Sample failed 10-OCT-2003 (Z3320AE) Lead = 101 ug Pb/.  
 Sample failed 10-APR-2003 (Z3320AE) Total Trihalomethanes = 101.6.  
 Sample failed 09-JUL-2003 (Z3320AE) Total Trihalomethanes = 122.2 ug/l.  
 Sample failed 14-AUG-2003 (Z3320AE) Total Trihalomethanes = 127.5.  
 Sample failed 18-SEP-2003 (Z3320AE) Total Trihalomethanes = 112.7.  
 Sample failed 10-OCT-2003 (Z3320AE) Total Trihalomethanes = 127.0.  
 Sample failed 14-NOV-2003 (Z3320AE) Total Trihalomethanes = 110.0 ug/l.  
 Sample failed 18-FEB-2003 (Z3320AE) Total Trihalomethanes = 111.700.

Notes:

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

Water Supply Zone - Z3320C - Breda 1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.300	0.300	0.300
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	0.003	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.325	1.000
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.530	0.530	0.530
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3320C - Breda 1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.002	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.057	0.079
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 26200

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

Water Supply Zone - Z3321 - Breda 2  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	500	0	0.000	57.100	174.292	498.300
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.016	0.036
Calcium		S	1	1	>250.0		0	0.000	6.100	6.100	6.100
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	10.728	10.728	10.728
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	14.192	400.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	9.981	200.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	3.850	8.868	19.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	8.200	31.925	83.700
E_Coli	No./100ml	S	72	72	>0		1	1.389	0.000	0.056	4.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	166.831	166.831	166.831
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.119	0.600
Hydrogen Ion	pH value	I	42	42	9.5		0	0.000	6.690	7.157	7.540
Iron	ug Fe/l	I	36	36	>200		3	8.333	< 0.100	<110.400	498.700
Lead	ug Pb/l	I	12	12	>50.0		5	41.667	1.970	53.524	168.700
Magnesium		S	1	1	>50.00		0	0.000	0.900	0.900	0.900
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	3.300	7.230	17.700
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.866	2.147	2.913
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.280	2.280	2.280
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 2.620	< 2.620	< 2.620
Potassium		S	1	1	>12.00		0	0.000	0.100	0.100	0.100
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	>250.00		0	0.000	2.078	2.078	2.078
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.900	12.960	19.300
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.206	0.800
Total Coliforms	No./100ml	S	72	72	>0		2	2.778	0.000	0.153	7.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		7	63.636	61.200	109.064	135.300
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.370	0.747	1.600
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	6.100	14.075	22.800

Commentary on Water Quality:

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

Population of zone = 26300

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 24-FEB-2003 (Z3321AE) E\_Coli = 4.  
 Sample failed 24-FEB-2003 (Z3321AE) Iron = 499.  
 Sample failed 12-JUN-2003 (Z3321AE) Iron = 400 ug Fe/.  
 Sample failed 13-NOV-2003 (Z3321AE) Iron = 216 ug Fe/.  
 Sample failed 17-FEB-2003 (Z3321AE) Lead = 123.  
 Sample failed 13-MAY-2003 (Z3321AE) Lead = 88 ug Pb/l.  
 Sample failed 18-JUN-2003 (Z3321AE) Lead = 169 ug Pb/.  
 Sample failed 24-SEP-2003 (Z3321AE) Lead = 69.  
 Sample failed 20-NOV-2003 (Z3321AE) Lead = 74 ug Pb/l.  
 Sample failed 24-FEB-2003 (Z3321AE) Total Coliforms = 4.  
 Sample failed 19-JUN-2003 (Z3321AE) Total Coliforms = 7 No./100m.  
 Sample failed 13-MAY-2003 (Z3321AE) Total Trihalomethanes = 114.4 ug/l.  
 Sample failed 18-JUN-2003 (Z3321AE) Total Trihalomethanes = 130.5 ug/l.  
 Sample failed 18-JUL-2003 (Z3321AE) Total Trihalomethanes = 116.7 ug/l.  
 Sample failed 27-AUG-2003 (Z3321AE) Total Trihalomethanes = 118.7.  
 Sample failed 24-SEP-2003 (Z3321AE) Total Trihalomethanes = 134.3.  
 Sample failed 17-OCT-2003 (Z3321AE) Total Trihalomethanes = 135.3 ug/l.  
 Sample failed 16-DEC-2003 (Z3321AE) Total Trihalomethanes = 102.1 ug/l.

Notes:

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

Water Supply Zone - Z3321C - Breda 2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.002	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.325	1.000
Boron	ug B/l	S	1	1	>2000.00	0	0.000	48.000	48.000	48.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3321C - Breda 2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 26300

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

Water Supply Zone - Z3322 - Breda 3  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	500	0	0.000	< 7.800	<148.981	264.000
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.010	0.027
Calcium		S	1	1	>250.0		0	0.000	7.900	7.900	7.900
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	11.653	11.653	11.653
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	17.596	532.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	1.865	50.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	2.720	6.305	10.410
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	11.200	19.200	30.800
E_Coli	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	185.819	185.819	185.819
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.149	0.700
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	6.780	7.176	7.510
Iron	ug Fe/l	I	36	36	>200		1	2.778	< 9.200	< 69.367	244.900
Lead	ug Pb/l	I	12	12	>50.0		0	0.000	< 0.440	< 17.765	39.570
Magnesium		S	1	1	>50.00		0	0.000	2.200	2.200	2.200
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	2.800	12.560	68.900
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.454	2.152	3.085
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.003	0.017
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	1.550	1.550	1.550
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	107.400	107.400	107.400
Potassium		S	1	1	>12.00		0	0.000	0.700	0.700	0.700
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	5.700	5.700	5.700
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	7.716	7.716	7.716
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.300	12.230	19.500
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.251	0.800
Total Coliforms	No./100ml	S	72	72	>0		1	1.389	0.000	0.014	1.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		6	50.000	36.800	105.908	148.800
Turbidity	FTU	I	36	36	>4.00		1	2.778	0.134	0.793	4.150
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	7.600	23.200	37.000

Commentary on Water Quality:

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

Population of zone = 26250

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 27-AUG-2003 (Z3322AE) Iron = 245.  
 Sample failed 25-FEB-2003 (Z3322AE) Total Coliforms = 1.  
 Sample failed 23-JUN-2003 (Z3322AE) Total Trihalomethanes = 123.2 ug/l.  
 Sample failed 22-JUL-2003 (Z3322AE) Total Trihalomethanes = 148.8 ug/l.  
 Sample failed 27-AUG-2003 (Z3322AE) Total Trihalomethanes = 130.5.  
 Sample failed 07-OCT-2003 (Z3322AE) Total Trihalomethanes = 124.6.  
 Sample failed 31-OCT-2003 (Z3322AE) Total Trihalomethanes = 110.4 ug/l.  
 Sample failed 31-DEC-2003 (Z3322AE) Total Trihalomethanes = 132.6 ug/l.  
 Sample failed 27-AUG-2003 (Z3322AE) Turbidity = 4.2.

Notes:

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



Water Supply Zone - Z3322C - Breda 3 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.300	2.300	2.300
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	0.001	0.005	0.007
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	4.000	4.000	4.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.870	0.870	0.870
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	3.000	3.000	3.000
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	2.500	2.500	2.500

Water Supply Zone - Z3322C - Breda 3 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.005	0.007
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 26250

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

Water Supply Zone - Z3323 - Breda 4  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	500	0	0.000	60.200	167.078	252.700
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.015	0.037
Calcium		S	1	1	>250.0		0	0.000	7.800	7.800	7.800
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	11.505	11.505	11.505
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	7.115	250.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	4.058	120.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	4.150	7.428	11.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	11.300	114.875	161.400
E_Coli	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	188.986	188.986	188.986
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.165	0.500
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	6.730	7.199	7.750
Iron	ug Fe/l	I	36	36	>200		0	0.000	< 0.600	< 79.606	176.200
Lead	ug Pb/l	I	12	12	>50.0		4	33.333	< 1.000	< 54.085	184.640
Magnesium		S	1	1	>50.00		0	0.000	2.100	2.100	2.100
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	3.200	7.740	15.800
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.938	2.275	2.965
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.001	0.012
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00		1	8.333	1.560	2.875	7.220
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 18.120	< 18.120	< 18.120
Potassium		S	1	1	>12.00		0	0.000	0.700	0.700	0.700
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	>250.00		0	0.000	7.073	7.073	7.073
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.000	12.940	18.400
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.289	2.500
Total Coliforms	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		5	41.667	70.800	98.558	144.200
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.310	0.973	2.400
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	8.900	22.650	41.700

Commentary on Water Quality:

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

Population of zone = 26300

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 20-MAY-2003 (Z3323AE) Lead = 59 ug Pb/l.  
 Sample failed 11-JUN-2003 (Z3323AE) Lead = 93 ug Pb/l.  
 Sample failed 08-AUG-2003 (Z3323AE) Lead = 101.  
 Sample failed 09-OCT-2003 (Z3323AE) Lead = 185.  
 Sample failed 10-JAN-2003 (Z3323AE) Oxidizability = 7.2.  
 Sample failed 06-FEB-2003 (Z3323AE) Total Trihalomethanes = 101.300.  
 Sample failed 01-JUL-2003 (Z3323AE) Total Trihalomethanes = 120.3 ug/l.  
 Sample failed 08-AUG-2003 (Z3323AE) Total Trihalomethanes = 144.2.  
 Sample failed 01-SEP-2003 (Z3323AE) Total Trihalomethanes = 107.7.  
 Sample failed 09-OCT-2003 (Z3323AE) Total Trihalomethanes = 111.9.

Notes:

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

Water Supply Zone - Z3323C - Breda 4 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.300	0.300	0.300
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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	4.000	4.000	4.000
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	>10.00	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.410	0.410	0.410
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	I	12	12	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3323C - Breda 4 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

I: Increased frequency of analysis for Glyphosate

Population of zone = 26300

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

Water Supply Zone - Z3324 - Oldpark 1  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	< 3.600	< 11.950	17.900
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.007	0.022
Calcium		S	1	1	>250.0		0	0.000	37.000	37.000	37.000
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	22.923	22.923	22.923
Colony Counts 22	No./1 ml	S	52	53			0	0.000	0.000	6.642	300.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	53			0	0.000	0.000	2.830	78.000
Colour	mg/l Pt/C	S	10	10	>20.00	40	0	0.000	< 0.000	< 2.988	13.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	40.500	89.275	135.500
E_Coli	No./100ml	S	84	85	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	< 16.981	< 16.981	< 16.981
Free - Residual disinfect	mg Cl/l	S	84	85			0	0.000	0.020	0.168	1.000
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	7.140	7.486	7.990
Iron	ug Fe/l	S	10	10	>200		0	0.000	< 6.000	< 23.520	41.000
Lead	ug Pb/l	I	12	12	>50.0		0	0.000	<0	< 9.775	33.000
Magnesium		S	1	1	>50.00		0	0.000	8.400	8.400	8.400
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	< 0.300	< 2.110	4.900
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.484	3.103	5.098
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.012	0.034
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.010	2.010	2.010
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	148.900	148.900	148.900
Potassium		S	1	1	>12.00		0	0.000	4.100	4.100	4.100
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	>250.00		0	0.000	18.690	18.690	18.690
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.100	11.160	19.500
Total - Residual disinfect	mg Cl/l	S	84	85			0	0.000	0.020	0.278	0.800
Total Coliforms	No./100ml	S	84	85	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		0	0.000	42.100	68.525	90.100
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.110	0.422	1.010
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	6.500	17.300	31.500

Commentary on Water Quality:

I: Increased frequency of analysis for Lead, Total Trihalomethanes

Population of zone = 34100

This zone has a surface water source :R3301

PCV Exceedences:

Water Quality was satisfactory

Water Supply Zone - Z3324C - Oldpark 1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.900	0.900	0.900
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	0.011	0.013
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.175	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.270	0.270	0.270
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	0.020	0.020	0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.007	0.010
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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z3324C - Oldpark 1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.007	0.008	0.008
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 34100

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



Water Supply Zone - Z3325 - Oldpark 2  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	<0	< 11.120	18.700
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.015	0.035
Calcium		S	1	1	>250.0		0	0.000	37.300	37.300	37.300
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	22.842	22.842	22.842
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	2.885	85.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	5.000	100.000
Colour	mg/l Pt/C	S	10	10	>20.00	40	0	0.000	< 0.000	< 2.107	7.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	27.000	398.325	1058.30
E_Coli	No./100ml	S	84	84	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	< 17.747	< 17.747	< 17.747
Free - Residual disinfect	mg Cl/l	S	84	84			0	0.000	0.020	0.153	0.700
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	6.770	7.447	7.920
Iron	ug Fe/l	S	10	10	>200		0	0.000	< 6.500	< 18.190	25.800
Lead	ug Pb/l	I	12	12	>50.0		0	0.000	< 0.240	< 7.010	24.570
Magnesium		S	1	1	>50.00		0	0.000	8.200	8.200	8.200
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	<0	< 1.250	3.200
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.462	3.273	5.015
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00		0	0.000	1.430	2.520	3.850
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	163.300	163.300	163.300
Potassium		S	1	1	>12.00		0	0.000	4.500	4.500	4.500
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	>250.00		0	0.000	15.103	15.103	15.103
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	5.900	10.710	18.200
Total - Residual disinfect	mg Cl/l	S	84	84			0	0.000	0.040	0.307	0.800
Total Coliforms	No./100ml	S	84	84	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		1	8.333	43.000	69.783	100.700
Turbidity	FTU	I	36	36	>4.00		0	0.000	0.120	0.435	2.100
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	12.000	84.525	172.000

Commentary on Water Quality:

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

Population of zone = 34200

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 21-NOV-2003 (Z3325AE) Total Trihalomethanes = 100.7 ug/l.

Water Supply Zone - Z3325C - Oldpark 2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.600	0.600	0.600
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	0.013
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.200	0.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	18.000	18.000	18.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z3325C - Oldpark 2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Simazine	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.007	0.008
Surfactants	ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane	ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene	ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 34200

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

Water Supply Zone - Z3326 - Hollywood 1  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	500	0	0.000	< 8.200	<131.050	197.100
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	< 0.000	< 0.010	0.018
Calcium		S	1	1	>250.0		0	0.000	4.900	4.900	4.900
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	10.423	10.423	10.423
Colony Counts 22	No./1 ml	S	12	12			0	0.000	0.000	19.167	210.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12			0	0.000	0.000	0.417	3.000
Colour	mg/l Pt/C	S	4	4	>20.00	40	0	0.000	6.600	8.928	12.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	18.100	270.000	994.200
E_Coli	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	197.268	197.268	197.268
Free - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.020	0.152	0.800
Hydrogen Ion	pH value	I	12	12	9.5		0	0.000	6.840	7.191	7.610
Iron	ug Fe/l	I	12	12	>200		0	0.000	28.200	63.233	121.800
Lead	ug Pb/l	I	12	12	>50.0		2	16.667	< 0.210	< 27.363	140.000
Magnesium		S	1	1	>50.00		0	0.000	0.600	0.600	0.600
Manganese	ug Mn/l	S	4	4	>50.0	300	0	0.000	4.400	6.125	8.000
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	0.493	1.667	2.144
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00		0	0.000	2.160	2.995	4.620
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 5.350	< 5.350	< 5.350
Potassium		S	1	1	>12.00		0	0.000	0.600	0.600	0.600
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	4.300	4.300	4.300
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	3.289	3.289	3.289
Taste	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	6.500	12.350	18.000
Total - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.040	0.204	1.000
Total Coliforms	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		7	58.333	19.200	100.658	151.200
Turbidity	FTU	S	4	4	>4.00		0	0.000	0.400	1.053	1.570
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	10.100	14.925	21.700

Commentary on Water Quality:

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

Population of zone = 1550

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 14-JAN-2003 (Z3326AE) Lead = 69.  
 Sample failed 21-JAN-2003 (Z3326AE) Lead = 140.  
 Sample failed 11-JUN-2003 (Z3326AE) Total Trihalomethanes = 137.1 ug/l.  
 Sample failed 23-JUN-2003 (Z3326AE) Total Trihalomethanes = 136.8 ug/l.  
 Sample failed 23-JUL-2003 (Z3326AE) Total Trihalomethanes = 151.2 ug/l.  
 Sample failed 09-SEP-2003 (Z3326AE) Total Trihalomethanes = 131.2.  
 Sample failed 07-OCT-2003 (Z3326AE) Total Trihalomethanes = 109.3.  
 Sample failed 21-OCT-2003 (Z3326AE) Total Trihalomethanes = 134.2 ug/l.  
 Sample failed 02-DEC-2003 (Z3326AE) Total Trihalomethanes = 116.4 ug/l.

Notes:

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

Water Supply Zone - Z3326C - Hollywood 1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.225	0.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.700	0.700	0.700
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3326C - Hollywood 1 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.003	< 0.004

Commentary on Water Quality:

Population of zone = 1550

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

Water Supply Zone - Z3327 - Holywood 2  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	500	0	0.000	< 3.100	< 86.150	230.100
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	0.012	0.027	0.053
Calcium		S	1	1	>250.0		0	0.000	7.600	7.600	7.600
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	12.472	12.472	12.472
Colony Counts 22	No./1 ml	S	24	24			0	0.000	0.000	4.667	54.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24			0	0.000	0.000	1.708	20.000
Colour	mg/l Pt/C	S	4	4	>20.00	40	0	0.000	5.890	8.216	11.780
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	11.700	56.800	89.300
E_Coli	No./100ml	S	24	24	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	0	>1500.00		0	0			
Free - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.020	0.076	0.200
Hydrogen Ion	pH value	S	12	12	9.5		0	0.000	6.830	7.154	7.400
Iron	ug Fe/l	I	24	24	>200		1	4.167	14.500	67.058	251.800
Lead	ug Pb/l	I	12	12	>50.0		2	16.667	< 0.000	< 21.908	75.150
Magnesium		S	1	1	>50.00		0	0.000	1.100	1.100	1.100
Manganese	ug Mn/l	S	4	4	>50.0	300	0	0.000	1.400	5.800	8.400
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	0.250	4.635	8.490
Nitrite	mg NO2/l	S	4	4	>0.100		0	0.000	< 0.000	< 0.002	0.008
Odour	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00		0	0.000	1.860	3.057	4.450
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	124.700	124.700	124.700
Potassium		S	1	1	>12.00		0	0.000	0.900	0.900	0.900
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	>250.00		0	0.000	5.028	5.028	5.028
Taste	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	5.700	11.075	18.000
Total - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.020	0.221	1.000
Total Coliforms	No./100ml	S	24	24	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		8	72.727	73.200	118.045	163.700
Turbidity	FTU	S	4	4	>4.00		0	0.000	0.146	0.707	1.380
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	6.400	14.100	29.600

Commentary on Water Quality:

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

Population of zone = 5650

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 18-JUL-2003 (Z3327AE) Iron = 252 ug Fe/.  
 Sample failed 07-JAN-2003 (Z3327AE) Lead = 75.  
 Sample failed 30-SEP-2003 (Z3327AE) Lead = 54 ug Pb/l.  
 Sample failed 04-FEB-2003 (Z3327AE) Total Trihalomethanes = 139.900.  
 Sample failed 05-MAR-2003 (Z3327AE) Total Trihalomethanes = 130.9.  
 Sample failed 16-JUN-2003 (Z3327AE) Total Trihalomethanes = 122.5 ug/l.  
 Sample failed 02-JUL-2003 (Z3327AE) Total Trihalomethanes = 143.4 ug/l.  
 Sample failed 12-AUG-2003 (Z3327AE) Total Trihalomethanes = 163.7.  
 Sample failed 09-SEP-2003 (Z3327AE) Total Trihalomethanes = 129.5.  
 Sample failed 30-SEP-2003 (Z3327AE) Total Trihalomethanes = 105.5.  
 Sample failed 25-NOV-2003 (Z3327AE) Total Trihalomethanes = 115.8 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z3327C - Hollywood 2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.100	0.100	0.100
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	< 0.005	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.300	0.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230



Water Supply Zone - Z3327C - Hollywood 2 Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.007	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.003	< 0.004

Commentary on Water Quality:

Population of zone = 5650

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

Water Supply Zone - Z3328 - Carrick - Mourne  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	25.400	33.090	53.200
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.000	< 0.009	0.046
Calcium		S	1	1	>250.0	0	0.000	34.400	34.400	34.400
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.965	21.965	21.965
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	3.942	160.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	0.500	22.000
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.000	< 2.158	6.720
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	14.600	39.400	77.700
E_Coli	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	24.542	24.542	24.542
Free - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.020	0.073	0.200
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	6.800	7.252	7.650
Iron	ug Fe/l	I	36	30	>200	2	6.667	< 7.400	< 64.383	214.200
Lead	ug Pb/l	I	12	12	>50.0	0	0.000	< 0.000	< 1.088	3.520
Magnesium		S	1	1	>50.00	0	0.000	10.800	10.800	10.800
Manganese	ug Mn/l	I	36	30	>50.0	0	0.000	0.600	3.250	8.900
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.193	3.590	6.597
Nitrite	mg NO2/l	S	10	9	>0.100	0	0.000	< 0.000	< 0.001	0.010
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	9	>5.00	0	0.000	0.980	1.342	1.740
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 8.550	< 8.550	< 8.550
Potassium		S	1	1	>12.00	0	0.000	4.900	4.900	4.900
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	>250.00	0	0.000	71.973	71.973	71.973
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.000	11.580	17.800
Total - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.040	0.137	0.300
Total Coliforms	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	16.000	36.658	51.300
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.100	0.376	0.800
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.500	< 12.525	17.800

Commentary on Water Quality:

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

Population of zone = 26600

PCV Exceedences:

Sample failed 15-JAN-2003 (Z3328AE) Iron = 205.

Sample failed 15-DEC-2003 (Z3328AE) Iron = 214 ug Fe/.

Water Supply Zone - Z3328C - Carrick - Mourne Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	5	>0.1	0	0.000	< 0.200	< 0.260	< 0.300
Aldrin	ug/l	S	4	5	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.800	0.800	0.800
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	1.200	1.200	1.200
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	0.006	0.009
Azinphos methyl	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.019	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	< 3.000	< 3.000	< 3.000
Bentazone	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Benzo 3 4 pyrene	ng/l	I	12	12	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.011	< 0.015
Chlorpropham	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.560	0.560	0.560
Clopyralid	ug/l	S	4	5	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
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	< 0.002	< 0.005	< 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	< 0.002	< 0.005	< 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	< 0.002	< 0.010	< 0.015
Dieldrin	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
Endosulphan-b	ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endrin	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.011	< 0.015
Fenpropimorph	ug/l	S	4	5	>0.10	0	0.000	< 0.007	< 0.015	< 0.020
Flumethrin	ug/l	S	4	5	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.014	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	5	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.005	< 0.009
MCPA	ug/l	I	12	5	>0.10	0	0.000	< 0.004	< 0.014	0.020
Malathion	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.014	< 0.021
Mecoprop (MCP)	ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	0.100	0.100	0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.410	1.410	1.410
Parathion	ug/l	S	4	5	>0.10	0	0.000	< 0.003	< 0.009	< 0.013
Pentachlorophenol	ug/l	S	4	5	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.011	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3328C - Carrick - Mourne Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	5	>0.10	0	0.000	0.003	0.005	0.008
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	5	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	5	>0.10	0	0.000	< 0.001	< 0.006	< 0.010
Tetrachloroethene ug/l	S	4	5	>10.00	0	0.000	< 0.200	< 0.260	< 0.300
Tetrachloromethane ug/l	S	4	5	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	I	12	12	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides ug/l	S	4	5	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	5	>30.00	0	0.000	< 0.200	< 0.440	< 0.600
Trifluralin ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.005	< 0.040	< 0.090
pp-DDT ug/l	S	4	5	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

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

Population of zone = 26600

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 - Z3502 - Ballygowan  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	500	0	0.000	136.900	211.029	313.400
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	< 0.000	< 0.014	0.040
Calcium		S	1	1	>250.0		0	0.000	5.300	5.300	5.300
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	12.460	12.460	12.460
Colony Counts 22	No./1 ml	S	24	24			0	0.000	0.000	8.500	100.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24			0	0.000	0.000	11.750	200.000
Colour	mg/l Pt/C	I	24	24	>20.00	35	0	0.000	1.000	7.172	11.380
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	8.200	81.750	123.900
E_Coli	No./100ml	S	24	24	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	183.500	183.500	183.500
Free - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.020	0.205	1.000
Hydrogen Ion	pH value	S	12	12	9.5		0	0.000	6.390	6.759	7.140
Iron	ug Fe/l	I	24	24	>200		1	4.167	45.700	98.733	466.300
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	< 0.320	< 1.300	1.830
Magnesium		S	1	1	>50.00		0	0.000	0.900	0.900	0.900
Manganese	ug Mn/l	S	4	3	>50.0	200	0	0.000	5.000	9.033	16.100
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	1.810	2.094	2.407
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	0.450	0.450	0.450
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 3.760	< 3.760	< 3.760
Potassium		S	1	1	>12.00		0	0.000	0.800	0.800	0.800
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	>250.00		0	0.000	3.580	3.580	3.580
Taste	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	7.800	10.975	17.300
Total - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.040	0.312	1.300
Total Coliforms	No./100ml	S	24	24	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		5	45.455	71.400	105.682	150.400
Turbidity	FTU	I	24	24	>4.00		0	0.000	0.220	0.985	2.100
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	7.700	24.475	58.900

Commentary on Water Quality:

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

Population of zone = 5200

PCV Exceedences:

Sample failed 24-APR-2003 (Z3502AE) Iron = 466 ug Fe/.  
 Sample failed 10-JUL-2003 (Z3502AE) Total Trihalomethanes = 128.4 ug/l.  
 Sample failed 14-AUG-2003 (Z3502AE) Total Trihalomethanes = 150.4.  
 Sample failed 11-SEP-2003 (Z3502AE) Total Trihalomethanes = 141.6.  
 Sample failed 09-OCT-2003 (Z3502AE) Total Trihalomethanes = 132.9.  
 Sample failed 01-MAY-2003 (Z3502AE) Total Trihalomethanes = 106.8 ug/l.

Notes:

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

Water Supply Zone - Z3502C - Ballygowan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	0.200	0.650	1.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.008	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.200	1.200	1.200
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3502C - Ballygowan Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 5200

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 - Z3503 - Comber  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	500	0	0.000	183.100	192.083	199.500
Ammonium	mg NH4/l	S	6	6	>0.50	0	0	0.000	< 0.000	< 0.013	0.029
Calcium		S	1	0	>250.0	0	0	0			
Chloride	mg Cl/l	S	1	1	>400.00	0	0	0.000	12.560	12.560	12.560
Colony Counts 22	No./1 ml	S	48	47		0	0	0.000	0.000	11.574	200.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	47		0	0	0.000	0.000	30.915	999.000
Colour	mg/l Pt/C	S	6	6	>20.00	35	0	0.000	6.000	7.455	8.000
Copper	ug Cu/l	S	4	3	>3000.00	0	0	0.000	29.700	534.500	1394.70
E_Coli	No./100ml	S	48	47	>0	1	2.128	0.000	0.000	0.234	11.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0	0.000	185.100	185.100	185.100
Free - Residual disinfect	mg Cl/l	S	48	47		0	0	0.000	0.020	0.122	0.800
Hydrogen Ion	pH value	S	24	24	9.5	0	0	0.000	6.130	7.078	7.530
Iron	ug Fe/l	I	24	23	>200	0	0	0.000	< 1.800	< 86.904	196.700
Lead	ug Pb/l	S	4	4	>50.0	0	0	0.000	< 0.410	< 6.280	18.560
Magnesium		S	1	0	>50.00	0	0	0			
Manganese	ug Mn/l	S	6	6	>50.0	200	0	0.000	3.900	7.050	12.400
Nitrate	mg NO3/l	S	6	6	>50.00	0	0	0.000	1.765	2.027	2.597
Nitrite	mg NO2/l	S	6	6	>0.100	0	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0	0.000	1.690	1.690	1.690
Phosphorous	ug P/l	S	1	1	>2200.00	0	0	0.000	< 2.170	< 2.170	< 2.170
Potassium		S	1	1	>12.00	0	0	0.000	0.800	0.800	0.800
Sodium	mg Na/l	S	1	0	>150.00	0	0	0			
Sulphate	mg SO4/l	S	1	1	>250.00	0	0	0.000	3.580	3.580	3.580
Taste	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0	0.000	6.200	10.533	19.400
Total - Residual disinfect	mg Cl/l	S	48	47		0	0	0.000	0.020	0.222	1.300
Total Coliforms	No./100ml	S	48	45	>0	1	2.222	0.000	0.000	0.267	12.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	7	63.636	86.600	86.600	123.218	196.100
Turbidity	FTU	S	6	6	>4.00	0	0	0.000	0.460	1.175	3.600
Zinc	ug Zn/l	S	4	3	>5000.00	0	0	0.000	14.700	84.300	186.900

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 10300

This zone has a surface water source :R3312

PCV Exceedences:

Sample failed 24-JUL-2003 (Z3503AE) E\_Coli = 11 No./100.  
 Sample failed 24-JUL-2003 (Z3503AE) Total Coliforms = 12 No./100.  
 Sample failed 31-JUL-2003 (Z3503AE) Total Trihalomethanes = 137.8 ug/l.  
 Sample failed 19-JUN-2003 (Z3503AE) Total Trihalomethanes = 119.7 ug/l.  
 Sample failed 21-AUG-2003 (Z3503AE) Total Trihalomethanes = 196.1.  
 Sample failed 25-SEP-2003 (Z3503AE) Total Trihalomethanes = 148.4.  
 Sample failed 16-OCT-2003 (Z3503AE) Total Trihalomethanes = 123.4 ug/l.  
 Sample failed 17-APR-2003 (Z3503AE) Total Trihalomethanes = 108.3.  
 Sample failed 17-JUL-2003 (Z3503AE) Total Trihalomethanes = 147.5 ug/l.

Notes:

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



Water Supply Zone - Z3503C - Comber Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.400	0.400	0.400
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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	4.000	4.000	4.000
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	>10.00	0	0.000	< 0.100	< 0.125	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.510	0.510	0.510
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 5.015	< 20.000
Hexachlorobenzene	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z3503C - Comber Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.025	0.030
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	0.000	< 0.003	< 0.004

Commentary on Water Quality:

Population of zone = 10300

This zone has a surface water source :R3312

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 - Z3508 - Newtownards  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	53.400	83.970	116.600
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.006	0.028
Calcium		S	1	1	>250.0		0	0.000	45.500	45.500	45.500
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	41.320	41.320	41.320
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	18.038	620.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	1.635	40.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	< 0.010	< 2.824	9.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	4.800	23.850	73.500
E_Coli	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	102.040	102.040	102.040
Free - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.137	1.500
Hydrogen Ion	pH value	S	42	42	9.5		0	0.000	7.600	7.774	8.160
Iron	ug Fe/l	I	36	36	>200		0	0.000	14.800	40.367	101.100
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	< 0.790	< 9.248	27.610
Magnesium		S	1	1	>50.00		0	0.000	18.300	18.300	18.300
Manganese	ug Mn/l	I	36	35	>50.0	200	0	0.000	1.600	4.503	21.600
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	19.971	23.819	26.696
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	1.460	1.460	1.460
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	57.990	57.990	57.990
Potassium		S	1	1	>12.00		0	0.000	7.200	7.200	7.200
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	18.800	18.800	18.800
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	37.830	37.830	37.830
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	7.600	11.300	15.000
Total - Residual disinfect	mg Cl/l	S	72	72			0	0.000	0.020	0.240	2.500
Total Coliforms	No./100ml	S	72	72	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		3	27.273	61.600	88.855	113.800
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.170	0.645	1.100
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 3.200	< 7.650	12.200

Commentary on Water Quality:

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

Population of zone = 27639

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 25-JUN-2003 (Z3508AE) Total Trihalomethanes = 110.7 ug/l.  
 Sample failed 23-JUL-2003 (Z3508AE) Total Trihalomethanes = 113.8 ug/l.  
 Sample failed 04-FEB-2003 (Z3508AE) Total Trihalomethanes = 108.800.

Water Supply Zone - Z3508C - Newtownards Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	3.400	3.400	3.400
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	0.005	0.007	0.008
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	24.000	24.000	24.000
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	>10.00	0	0.000	< 0.100	< 0.175	0.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	23.000	23.000	23.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.870	0.870	0.870
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	2.800	2.800	2.800
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3508C - Newtownards Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.005	0.009	0.014
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 27639

This zone has a surface water source :R3302

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 - Z3509 - Craigantlet  
 Printed On 17-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	12	12	>200	500	0	0.000	118.400	173.392	254.200
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	< 0.000	< 0.012	0.019
Calcium		S	1	1	>250.0		0	0.000	17.400	17.400	17.400
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	25.360	25.360	25.360
Colony Counts 22	No./1 ml	S	12	12			0	0.000	0.000	20.917	163.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12			0	0.000	0.000	6.917	79.000
Colour	mg/l Pt/C	S	4	4	>20.00	35	0	0.000	3.000	6.690	9.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	6.700	161.850	587.300
E_Coli	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	166.920	166.920	166.920
Free - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.020	0.138	0.400
Hydrogen Ion	pH value	S	6	5	9.5		0	0.000	7.050	7.390	7.750
Iron	ug Fe/l	I	12	12	>200		0	0.000	14.200	52.658	102.300
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	< 1.010	< 6.793	23.200
Magnesium		S	1	1	>50.00		0	0.000	6.100	6.100	6.100
Manganese	ug Mn/l	I	12	10	>50.0	200	0	0.000	2.500	5.257	12.200
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	1.807	3.576	8.060
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.290	2.290	2.290
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	50.020	50.020	50.020
Potassium		S	1	1	>12.00		0	0.000	1.300	1.300	1.300
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	>250.00		0	0.000	14.470	14.470	14.470
Taste	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	7.000	11.275	17.400
Total - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.020	0.313	1.000
Total Coliforms	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		7	63.636	54.500	123.464	191.900
Turbidity	FTU	I	12	12	>4.00		0	0.000	0.240	0.695	1.420
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	7.800	28.625	80.400

Commentary on Water Quality:

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

Population of zone = 2232

PCV Exceedences:

Sample failed 02-MAY-2003 (Z3509AE) Total Trihalomethanes = 120.9 ug/l.  
 Sample failed 04-JUL-2003 (Z3509AE) Total Trihalomethanes = 153.1 ug/l.  
 Sample failed 08-AUG-2003 (Z3509AE) Total Trihalomethanes = 191.9.  
 Sample failed 18-SEP-2003 (Z3509AE) Total Trihalomethanes = 156.4.  
 Sample failed 08-OCT-2003 (Z3509AE) Total Trihalomethanes = 136.3.  
 Sample failed 11-NOV-2003 (Z3509AE) Total Trihalomethanes = 134.6 ug/l.  
 Sample failed 09-DEC-2003 (Z3509AE) Total Trihalomethanes = 147.0 ug/l.

Water Supply Zone - Z3509C - Craigantlet Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.700	0.700	0.700
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	0.003	0.005	0.008
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	8.000	8.000	8.000
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	>10.00	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3509C - Craigantlet Contract Analysis  
 Printed On 17-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.003	0.006	0.009
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 2232

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 - Z3510 - North Down  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	48	48	>200	500	0	0.000	92.000	168.858	430.700
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.004	0.028
Calcium		S	1	1	>250.0		0	0.000	17.000	17.000	17.000
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	25.370	25.370	25.370
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	16.462	211.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	6.212	250.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	4.000	5.807	8.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	4.800	12.400	23.700
E_Coli	No./100ml	S	120	120	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	168.190	168.190	168.190
Free - Residual disinfect	mg Cl/l	S	120	120			0	0.000	0.020	0.179	1.000
Hydrogen Ion	pH value	S	60	59	9.5		0	0.000	7.350	7.766	8.560
Iron	ug Fe/l	I	48	48	>200		1	2.083	32.500	65.754	206.000
Lead	ug Pb/l	I	24	24	>50.0		0	0.000	< 0.500	< 4.095	30.530
Magnesium		S	1	1	>50.00		0	0.000	6.100	6.100	6.100
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	3.400	20.420	150.500
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	8.067	8.827	9.883
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	0.690	0.690	0.690
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	59.590	59.590	59.590
Potassium		S	1	1	>12.00		0	0.000	1.200	1.200	1.200
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	>250.00		0	0.000	14.120	14.120	14.120
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	7.100	12.750	19.400
Total - Residual disinfect	mg Cl/l	S	120	120			0	0.000	0.020	0.279	1.000
Total Coliforms	No./100ml	S	120	120	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	24	23	>100.0		19	82.609	61.000	127.161	170.200
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.310	0.765	1.600
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 5.000	< 12.400	27.400

Commentary on Water Quality:

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

Population of zone = 46308

PCV Exceedences:

Sample failed 15-JAN-2003 (Z3510AE) Iron = 206.  
 Sample failed 30-JAN-2003 (Z3510AE) Total Trihalomethanes = 106.100.  
 Sample failed 25-FEB-2003 (Z3510AE) Total Trihalomethanes = 112.200.  
 Sample failed 02-MAY-2003 (Z3510AE) Total Trihalomethanes = 106.0 ug/l.  
 Sample failed 07-MAY-2003 (Z3510AE) Total Trihalomethanes = 119.4 ug/l.  
 Sample failed 19-MAY-2003 (Z3510AE) Total Trihalomethanes = 106.9 ug/l.  
 Sample failed 18-JUL-2003 (Z3510AE) Total Trihalomethanes = 129.8 ug/l.  
 Sample failed 23-JUN-2003 (Z3510AE) Total Trihalomethanes = 143.6 ug/l.  
 Sample failed 07-JUL-2003 (Z3510AE) Total Trihalomethanes = 154.2 ug/l.  
 Sample failed 21-JUL-2003 (Z3510AE) Total Trihalomethanes = 136.0 ug/l.  
 Sample failed 14-AUG-2003 (Z3510AE) Total Trihalomethanes = 170.2.  
 Sample failed 27-AUG-2003 (Z3510AE) Total Trihalomethanes = 150.0.  
 Sample failed 19-SEP-2003 (Z3510AE) Total Trihalomethanes = 162.4.  
 Sample failed 01-OCT-2003 (Z3510AE) Total Trihalomethanes = 142.7.  
 Sample failed 14-OCT-2003 (Z3510AE) Total Trihalomethanes = 167.0 ug/l.  
 Sample failed 21-OCT-2003 (Z3510AE) Total Trihalomethanes = 144.1 ug/l.  
 Sample failed 12-NOV-2003 (Z3510AE) Total Trihalomethanes = 114.5 ug/l.  
 Sample failed 24-NOV-2003 (Z3510AE) Total Trihalomethanes = 119.2 ug/l.  
 Sample failed 09-DEC-2003 (Z3510AE) Total Trihalomethanes = 149.0 ug/l.  
 Sample failed 22-DEC-2003 (Z3510AE) Total Trihalomethanes = 163.6 ug/l.

Notes:

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

Water Supply Zone - Z3510C - North Down Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.300	0.300	0.300
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.500	0.500	0.500
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	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.028	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	8.000	8.000	8.000
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	>10.00	0	0.000	< 0.100	< 0.300	0.700
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.003	0.006
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	< 0.002	0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z3510C - North Down Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 46308

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 - Z3511 - Ballyholme  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	500	0	0.000	< 5.200	< 94.300	210.800
Ammonium	mg NH4/l	S	6	6	>0.50		0	0.000	< 0.000	< 0.030	0.074
Calcium	ug Cl/l	S	1	1	>250.0		0	0.000	17.000	17.000	17.000
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	26.360	26.360	26.360
Colony Counts 22	No./1 ml	S	48	48			0	0.000	0.000	7.708	165.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48			0	0.000	0.000	3.090	83.000
Colour	mg/l Pt/C	I	24	24	>20.00	35	0	0.000	1.000	6.215	12.110
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	4.600	9.525	18.000
E_Coli	No./100ml	S	48	48	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	169.900	169.900	169.900
Free - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.176	0.800
Hydrogen Ion	pH value	S	24	24	9.5		0	0.000	7.290	7.541	8.100
Iron	ug Fe/l	I	24	24	>200		0	0.000	< 0.000	< 82.750	169.100
Lead	ug Pb/l	I	12	12	>50.0		1	8.333	< 1.220	< 10.835	58.220
Magnesium	ug Mg/l	S	1	1	>50.00		0	0.000	6.000	6.000	6.000
Manganese	ug Mn/l	S	6	6	>50.0	200	0	0.000	3.300	19.983	88.000
Nitrate	mg NO3/l	S	6	6	>50.00		0	0.000	1.142	6.865	13.777
Nitrite	mg NO2/l	S	6	6	>0.100		0	0.000	< 0.000	< 0.010	0.014
Odour	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	1.240	1.240	1.240
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 3.760	< 3.760	< 3.760
Potassium	ug K/l	S	1	1	>12.00		0	0.000	1.200	1.200	1.200
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	>250.00		0	0.000	14.200	14.200	14.200
Taste	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0		0	0.000	6.600	10.900	16.200
Total - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.030	0.376	3.000
Total Coliforms	No./100ml	S	48	48	>0		1	2.083	0.000	0.021	1.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		6	54.545	68.200	115.582	182.700
Turbidity	FTU	I	24	24	>4.00		0	0.000	0.270	0.967	2.400
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	6.200	11.725	22.800

Commentary on Water Quality:

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

Population of zone = 11863

This zone has a surface water source :R3329

PCV Exceedences:

Sample failed 30-JAN-2003 (Z3511AE) Lead = 58.  
 Sample failed 08-JUL-2003 (Z3511AE) Total Coliforms = 1 No./100m.  
 Sample failed 17-JUN-2003 (Z3511AE) Total Trihalomethanes = 182.7 ug/l.  
 Sample failed 19-AUG-2003 (Z3511AE) Total Trihalomethanes = 166.7.  
 Sample failed 14-OCT-2003 (Z3511AE) Total Trihalomethanes = 145.7 ug/l.  
 Sample failed 16-DEC-2003 (Z3511AE) Total Trihalomethanes = 129.4 ug/l.  
 Sample failed 28-FEB-2003 (Z3511AE) Total Trihalomethanes = 118.4.  
 Sample failed 07-APR-2003 (Z3511AE) Total Trihalomethanes = 103.7.

Water Supply Zone - Z3511C - Ballyholme Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.400	0.700
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	1.480	1.480	1.480
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.300	1.300	1.300
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.600	1.600	1.600
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3511C - Ballyholme Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.007
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	0.100	0.100	0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.025	0.040
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 11863

This zone has a surface water source :R3329

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 - Z3512 - Ballysallagh 1  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	500	0	0.000	10.800	66.900	176.400
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	< 0.000	< 0.026	0.057
Calcium		S	1	1	>250.0		0	0.000	35.000	35.000	35.000
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	35.450	35.450	35.450
Colony Counts 22	No./1 ml	S	12	12			0	0.000	0.000	0.167	1.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12			0	0.000	0.000	1.750	18.000
Colour	mg/l Pt/C	I	12	12	>20.00	35	0	0.000	1.010	6.773	22.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	9.300	66.100	211.900
E_Coli	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	62.960	62.960	62.960
Free - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.040	0.188	0.800
Hydrogen Ion	pH value	S	6	6	9.5		0	0.000	7.270	7.538	7.890
Iron	ug Fe/l	I	12	12	>200		0	0.000	41.700	81.450	111.600
Lead	ug Pb/l	I	12	12	>50.0		1	8.333	< 0.270	< 21.730	73.880
Magnesium		S	1	1	>50.00		0	0.000	8.700	8.700	8.700
Manganese	ug Mn/l	S	4	4	>50.0	200	0	0.000	7.600	21.675	60.200
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	1.206	8.695	20.210
Nitrite	mg NO2/l	S	4	4	>0.100		0	0.000	< 0.000	< 0.007	0.028
Odour	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	3.423	3.423	3.423
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	57.340	57.340	57.340
Potassium		S	1	1	>12.00		0	0.000	4.900	4.900	4.900
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	13.700	13.700	13.700
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	23.700	23.700	23.700
Taste	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	6.300	12.225	17.900
Total - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.080	0.365	1.000
Total Coliforms	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		4	33.333	66.000	95.225	138.400
Turbidity	FTU	S	4	4	>4.00		0	0.000	0.800	1.205	1.600
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 4.200	< 20.750	62.500

Commentary on Water Quality:

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

Population of zone = 4607

This zone has a surface water source :R3501

PCV Exceedences:

Sample failed 27-AUG-2003 (Z3512AE) Lead = 74.  
 Sample failed 22-JAN-2003 (Z3512AE) Total Trihalomethanes = 138.400.  
 Sample failed 28-FEB-2003 (Z3512AE) Total Trihalomethanes = 122.4.  
 Sample failed 21-MAY-2003 (Z3512AE) Total Trihalomethanes = 114.0 ug/l.  
 Sample failed 23-JUL-2003 (Z3512AE) Total Trihalomethanes = 103.5 ug/l.

Water Supply Zone - Z3512C - Ballysallagh 1 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.003	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	10.000	10.000	10.000
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	>10.00	0	0.000	< 0.100	< 0.125	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	12.000	12.000	12.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.660	0.660	0.660
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.007	0.010
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500



Water Supply Zone - Z3512C - Ballysallagh 1 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.011
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 4607

This zone has a surface water source :R3501

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 - Z3513 - Ballysallagh 2  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	12	12	>200	500	0	0.000	119.400	145.883	183.200
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	< 0.000	< 0.004	0.017
Calcium		S	1	1	>250.0		0	0.000	14.000	14.000	14.000
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	20.287	20.287	20.287
Colony Counts 22	No./1 ml	S	12	12			0	0.000	0.000	5.583	59.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	12			0	0.000	0.000	0.417	4.000
Colour	mg/l Pt/C	I	12	12	>20.00	35	0	0.000	2.000	5.818	9.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	< 0.600	<144.625	343.700
E_Coli	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	135.284	135.284	135.284
Free - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.060	0.538	1.200
Hydrogen Ion	pH value	S	6	6	9.5		0	0.000	7.500	7.678	7.970
Iron	ug Fe/l	I	12	12	>200		1	8.333	35.500	83.417	299.800
Lead	ug Pb/l	I	12	12	>50.0		0	0.000	<0	< 4.863	22.320
Magnesium		S	1	1	>50.00		0	0.000	4.900	4.900	4.900
Manganese	ug Mn/l	I	12	12	>50.0	200	0	0.000	4.100	12.017	41.000
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	8.104	8.783	9.301
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	I	12	12	>5.00		0	0.000	1.510	2.547	3.780
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 24.000	< 24.000	< 24.000
Potassium		S	1	1	>12.00		0	0.000	1.000	1.000	1.000
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	9.000	9.000	9.000
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	9.931	9.931	9.931
Taste	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	7.200	13.250	19.500
Total - Residual disinfect	mg Cl/l	S	12	12			0	0.000	0.100	0.733	1.500
Total Coliforms	No./100ml	S	12	12	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		11	100.00	112.700	129.318	165.800
Turbidity	FTU	S	4	4	>4.00		0	0.000	0.380	0.610	1.000
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 5.400	< 45.300	85.200

Commentary on Water Quality:

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

Population of zone = 1373

This zone has a surface water source :R3501

PCV Exceedences:

Sample failed 05-NOV-2003 (Z3513AE) Iron = 300 ug Fe/.  
 Sample failed 05-FEB-2003 (Z3513AE) Total Trihalomethanes = 128.800.  
 Sample failed 05-MAR-2003 (Z3513AE) Total Trihalomethanes = 119.2.  
 Sample failed 09-MAY-2003 (Z3513AE) Total Trihalomethanes = 115.7 ug/l.  
 Sample failed 04-JUN-2003 (Z3513AE) Total Trihalomethanes = 116.6 ug/l.  
 Sample failed 02-JUL-2003 (Z3513AE) Total Trihalomethanes = 137.3 ug/l.  
 Sample failed 06-AUG-2003 (Z3513AE) Total Trihalomethanes = 165.8.  
 Sample failed 17-SEP-2003 (Z3513AE) Total Trihalomethanes = 148.1.  
 Sample failed 01-OCT-2003 (Z3513AE) Total Trihalomethanes = 117.3.  
 Sample failed 05-NOV-2003 (Z3513AE) Total Trihalomethanes = 129.4 ug/l.  
 Sample failed 03-DEC-2003 (Z3513AE) Total Trihalomethanes = 131.6 ug/l.  
 Sample failed 29-APR-2003 (Z3513AE) Total Trihalomethanes = 112.7 ug/l.

Notes:

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

Water Supply Zone - Z3513C - Ballysallagh 2 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.400	0.400	0.400
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	0.002	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	5.000	5.000	5.000
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	>10.00	0	0.000	< 0.100	< 0.200	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.640	0.640	0.640
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.560	0.560	0.560
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3513C - Ballysallagh 2 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.002	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 1373

This zone has a surface water source :R3501

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 - Z3514 - Crawfordsburn  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.
Aluminium	ug Al/l	I 24	24	>200	500	0	0.000	< 3.700	< 67.992	193.400
Ammonium	mg NH4/l	S 6	6	>0.50		0	0.000	< 0.000	< 0.022	0.083
Calcium		S 1	1	>250.0		0	0.000	15.600	15.600	15.600
Chloride	mg Cl/l	S 1	1	>400.00		0	0.000	21.116	21.116	21.116
Colony Counts 22	No./1 ml	S 48	48			0	0.000	0.000	6.833	100.000
Colony Counts 37 (48hrs)	No./1 ml	S 48	48			0	0.000	0.000	4.542	109.000
Colour	mg/l Pt/C	I 24	24	>20.00	35	0	0.000	1.570	5.510	11.970
Copper	ug Cu/l	S 4	4	>3000.00		0	0.000	13.600	95.725	283.200
E_Coli	No./100ml	S 48	47	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S 1	1	>1500.00		0	0.000	109.785	109.785	109.785
Free - Residual disinfect	mg Cl/l	S 48	48			0	0.000	0.020	0.167	0.800
Hydrogen Ion	pH value	S 24	24	9.5		0	0.000	7.170	7.622	7.990
Iron	ug Fe/l	I 24	24	>200		0	0.000	45.200	82.571	140.700
Lead	ug Pb/l	I 12	12	>50.0		0	0.000	<0	< 1.761	5.880
Magnesium		S 1	1	>50.00		0	0.000	5.700	5.700	5.700
Manganese	ug Mn/l	I 24	23	>50.0	200	0	0.000	3.600	11.217	25.700
Nitrate	mg NO3/l	S 6	6	>50.00		0	0.000	3.146	6.836	9.368
Nitrite	mg NO2/l	S 6	6	>0.100		0	0.000	< 0.000	< 0.003	0.020
Odour	Diln No	S 6	6	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	1	>5.00		0	0.000	3.710	3.710	3.710
Phosphorous	ug P/l	S 1	1	>2200.00		0	0.000	< 23.000	< 23.000	< 23.000
Potassium		S 1	1	>12.00		0	0.000	1.000	1.000	1.000
Sodium	mg Na/l	S 1	1	>150.00		0	0.000	10.100	10.100	10.100
Sulphate	mg SO4/l	S 1	1	>250.00		0	0.000	11.635	11.635	11.635
Taste	Diln No	S 6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S 6	6	>25.0		0	0.000	6.600	11.167	18.400
Total - Residual disinfect	mg Cl/l	S 48	48			0	0.000	0.020	0.305	1.000
Total Coliforms	No./100ml	S 48	48	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I 12	12	>100.0		5	41.667	60.800	102.900	154.700
Turbidity	FTU	S 6	6	>4.00		0	0.000	0.250	1.230	3.100
Zinc	ug Zn/l	S 4	4	>5000.00		0	0.000	11.000	32.850	66.700

Commentary on Water Quality:

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

Population of zone = 16136

PCV Exceedences:

Sample failed 07-JAN-2003 (Z3514AE) Total Trihalomethanes = 134.600.  
 Sample failed 12-FEB-2003 (Z3514AE) Total Trihalomethanes = 150.600.  
 Sample failed 12-MAR-2003 (Z3514AE) Total Trihalomethanes = 108.2.  
 Sample failed 09-APR-2003 (Z3514AE) Total Trihalomethanes = 115.6.  
 Sample failed 10-DEC-2003 (Z3514AE) Total Trihalomethanes = 154.7 ug/l.

Water Supply Zone - Z3514C - Crawfordsburn Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	1.300	1.300	1.300
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	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	S	4	4	>10.00	0	0.000	< 0.100	< 0.250	0.500
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.006	< 0.013	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.011	0.030
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.940	1.940	1.940
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3514C - Crawfordsburn Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.038	0.090
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 16136

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 - Z3515 - South Ards  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	500	0	0.000	19.900	30.575	49.900
Ammonium	mg NH4/l	S	4	4	>0.50		0	0.000	< 0.000	< 0.007	0.017
Calcium		S	1	1	>250.0		0	0.000	48.100	48.100	48.100
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	37.896	37.896	37.896
Colony Counts 22	No./1 ml	S	24	24			0	0.000	0.000	11.333	162.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24			0	0.000	0.000	4.375	36.000
Colour	mg/l Pt/C	S	4	4	>20.00	35	0	0.000	1.000	5.873	14.270
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	17.400	130.375	442.700
E_Coli	No./100ml	S	24	24	>0		1	4.167	0.000	0.042	1.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	< 21.462	< 21.462	< 21.462
Free - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.020	0.133	0.300
Hydrogen Ion	pH value	S	12	12	9.5		0	0.000	6.840	7.317	7.500
Iron	ug Fe/l	I	24	24	>200		0	0.000	< 3.000	< 42.008	118.600
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	< 0.080	< 0.620	< 1.450
Magnesium		S	1	1	>50.00		0	0.000	11.900	11.900	11.900
Manganese	ug Mn/l	S	4	4	>50.0	200	0	0.000	1.800	3.750	5.600
Nitrate	mg NO3/l	S	4	4	>50.00		0	0.000	0.279	9.415	23.071
Nitrite	mg NO2/l	S	4	4	>0.100		0	0.000	< 0.000	< 0.004	0.016
Odour	Diln No	S	4	4	>3	4	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
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 29.000	< 29.000	< 29.000
Potassium		S	1	1	>12.00		0	0.000	5.500	5.500	5.500
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	17.700	17.700	17.700
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	46.462	46.462	46.462
Taste	Diln No	S	4	4	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0		0	0.000	7.000	12.925	17.900
Total - Residual disinfect	mg Cl/l	S	24	24			0	0.000	0.080	0.272	0.500
Total Coliforms	No./100ml	S	24	23	>0		1	4.348	0.000	0.043	1.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		0	0.000	50.800	71.783	97.200
Turbidity	FTU	S	4	4	>4.00		0	0.000	0.180	0.468	0.950
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 4.100	< 18.800	59.100

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 5959

This zone has a surface water source :R3505

PCV Exceedences:

Sample failed 15-JAN-2003 (Z3515AE) E\_Coli = 1.

Sample failed 15-JAN-2003 (Z3515AE) Total Coliforms = 1.



Water Supply Zone - Z3515C - South Ards Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.900	0.900	0.900
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	1.600	1.600	1.600
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	0.003	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.100	0.100	0.100
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.420	0.420	0.420
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.007	< 0.022
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.010	0.020
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	3.460	3.460	3.460
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.800	0.800	0.800
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3515C - South Ards Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.004	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.025	0.040
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 5959

This zone has a surface water source :R3505

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 - Z3516 - Mid Ards  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	500	0	0.000	99.700	137.733	202.800
Ammonium	mg NH4/l	S	6	6	>0.50		0	0.000	< 0.000	< 0.011	0.030
Calcium		S	1	1	>250.0		0	0.000	14.400	14.400	14.400
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	19.986	19.986	19.986
Colony Counts 22	No./1 ml	S	48	48			0	0.000	0.000	7.917	158.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48			0	0.000	0.000	7.458	103.000
Colour	mg/l Pt/C	S	6	6	>20.00	35	0	0.000	3.000	5.672	10.080
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	6.600	10.975	13.200
E_Coli	No./100ml	S	48	48	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	153.452	153.452	153.452
Free - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.090	0.500
Hydrogen Ion	pH value	S	24	24	9.5		0	0.000	7.360	7.703	8.110
Iron	ug Fe/l	I	24	24	>200		0	0.000	32.900	63.492	95.300
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	<0	< 1.075	2.260
Magnesium		S	1	1	>50.00		0	0.000	5.100	5.100	5.100
Manganese	ug Mn/l	S	6	6	>50.0	200	0	0.000	2.100	5.450	15.800
Nitrate	mg NO3/l	S	6	6	>50.00		0	0.000	8.420	9.552	10.802
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	3.180	3.180	3.180
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 31.000	< 31.000	< 31.000
Potassium		S	1	1	>12.00		0	0.000	1.000	1.000	1.000
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	8.400	8.400	8.400
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	11.524	11.524	11.524
Taste	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0		0	0.000	7.600	11.683	17.900
Total - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.159	0.700
Total Coliforms	No./100ml	S	48	46	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	13	>100.0		12	92.308	47.300	132.469	180.500
Turbidity	FTU	S	6	6	>4.00		0	0.000	0.380	0.637	1.050
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	7.400	8.450	10.100

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 12014

PCV Exceedences:

Sample failed 20-JAN-2003 (Z3516AE) Total Trihalomethanes = 143.500.  
 Sample failed 27-JAN-2003 (Z3516AE) Total Trihalomethanes = 128.100 ug.  
 Sample failed 09-APR-2003 (Z3516AE) Total Trihalomethanes = 107.400.  
 Sample failed 24-MAR-2003 (Z3516AE) Total Trihalomethanes = 123.9.  
 Sample failed 23-APR-2003 (Z3516AE) Total Trihalomethanes = 122.0 ug/l.  
 Sample failed 19-MAY-2003 (Z3516AE) Total Trihalomethanes = 122.3 ug/l.  
 Sample failed 23-JUN-2003 (Z3516AE) Total Trihalomethanes = 144.6 ug/l.  
 Sample failed 21-JUL-2003 (Z3516AE) Total Trihalomethanes = 138.4 ug/l.  
 Sample failed 28-AUG-2003 (Z3516AE) Total Trihalomethanes = 157.4.  
 Sample failed 22-SEP-2003 (Z3516AE) Total Trihalomethanes = 180.5.  
 Sample failed 20-OCT-2003 (Z3516AE) Total Trihalomethanes = 169.9 ug/l.  
 Sample failed 22-DEC-2003 (Z3516AE) Total Trihalomethanes = 136.8 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z3516C - Mid Ards Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.400	0.400	0.400
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	0.002	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	I	12	12	>10.00	0	0.000	< 0.100	< 0.292	1.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.300	0.300	0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3516C - Mid Ards Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.003	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	I	12	12	>0.20	0	0.000	< 0.020	< 0.021	0.030
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

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

Population of zone = 12014

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 - Z3604 - Crossgar  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	500	0	0.000	118.900	232.596	440.900
Ammonium	mg NH4/l	S	6	6	>0.50		0	0.000	< 0.000	< 0.020	0.058
Calcium		S	1	1	>250.0		0	0.000	3.300	3.300	3.300
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	14.379	14.379	14.379
Colony Counts 22	No./1 ml	S	48	48			0	0.000	0.000	6.625	73.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48			0	0.000	0.000	5.792	135.000
Colour	mg/l Pt/C	I	24	24	>20.00	35	0	0.000	4.000	11.170	17.290
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	< 2.300	< 25.175	88.900
E_Coli	No./100ml	S	48	46	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	138.312	138.312	138.312
Free - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.112	0.800
Hydrogen Ion	pH value	S	24	23	9.5		0	0.000	6.140	7.729	9.180
Iron	ug Fe/l	I	24	24	>200		1	4.167	33.200	79.304	218.800
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	< 0.920	< 5.383	16.200
Magnesium		S	1	1	>50.00		0	0.000	0.500	0.500	0.500
Manganese	ug Mn/l	I	24	23	>50.0	200	0	0.000	2.200	7.070	17.000
Nitrate	mg NO3/l	S	6	6	>50.00		0	0.000	1.732	1.921	2.304
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.880	2.880	2.880
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 7.000	< 7.000	< 7.000
Potassium		S	1	1	>12.00		0	0.000	0.700	0.700	0.700
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	7.300	7.300	7.300
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	2.084	2.084	2.084
Taste	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0		0	0.000	6.400	11.633	18.200
Total - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.175	1.000
Total Coliforms	No./100ml	S	48	48	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	13	>100.0		9	69.231	81.000	111.108	162.500
Turbidity	FTU	I	24	24	>4.00		0	0.000	0.290	1.023	2.600
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	5.600	6.975	9.000

Commentary on Water Quality:

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

Population of zone = 18900

PCV Exceedences:

Sample failed 03-DEC-2003 (Z3604AE) Iron = 219 ug Fe/.  
 Sample failed 04-FEB-2003 (Z3604AE) Total Trihalomethanes = 113.400.  
 Sample failed 02-APR-2003 (Z3604AE) Total Trihalomethanes = 116.1.  
 Sample failed 29-APR-2003 (Z3604AE) Total Trihalomethanes = 112.4 ug/l.  
 Sample failed 05-AUG-2003 (Z3604AE) Total Trihalomethanes = 118.5.  
 Sample failed 19-FEB-2003 (Z3604AE) Total Trihalomethanes = 132.900 ug.  
 Sample failed 04-SEP-2003 (Z3604AE) Total Trihalomethanes = 162.5.  
 Sample failed 01-OCT-2003 (Z3604AE) Total Trihalomethanes = 113.1.  
 Sample failed 05-NOV-2003 (Z3604AE) Total Trihalomethanes = 111.0 ug/l.  
 Sample failed 31-DEC-2003 (Z3604AE) Total Trihalomethanes = 109.7 ug/l.

Notes:

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

Water Supply Zone - Z3604C - Crossgar Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.300	2.300	2.300
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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.325	1.000
Boron	ug B/l	S	1	1	>2000.00	0	0.000	18.000	18.000	18.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.000	1.000	1.000
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3604C - Crossgar Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	I	12	12	>0.10	0	0.000	< 0.001	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

I: Increased frequency of analysis for Simazine

Population of zone = 18900

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 - Z3607 - Mourne  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	500	0	0.000	105.000	212.188	311.700
Ammonium	mg NH4/l	S	6	6	>0.50		0	0.000	< 0.000	< 0.015	0.023
Calcium		S	1	1	>250.0		0	0.000	3.300	3.300	3.300
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	10.178	10.178	10.178
Colony Counts 22	No./1 ml	S	48	48			0	0.000	0.000	19.000	400.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48			0	0.000	0.000	3.000	60.000
Colour	mg/l Pt/C	S	6	6	>20.00	35	0	0.000	8.000	13.525	23.300
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	8.100	83.875	295.700
E_Coli	No./100ml	S	48	48	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	127.012	127.012	127.012
Free - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.121	0.800
Hydrogen Ion	pH value	I	24	24	9.5		0	0.000	6.390	7.330	9.210
Iron	ug Fe/l	I	24	23	>200		1	4.348	45.800	90.687	237.900
Lead	ug Pb/l	I	12	12	>50.0		1	8.333	<0	< 14.350	162.580
Magnesium		S	1	1	>50.00		0	0.000	0.600	0.600	0.600
Manganese	ug Mn/l	S	6	6	>50.0	200	0	0.000	3.800	5.933	8.400
Nitrate	mg NO3/l	S	6	6	>50.00		0	0.000	1.584	1.892	2.346
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	2.070	2.070	2.070
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 2.000	< 2.000	< 2.000
Potassium		S	1	1	>12.00		0	0.000	0.700	0.700	0.700
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	4.100	4.100	4.100
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	1.882	1.882	1.882
Taste	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0		0	0.000	6.200	11.150	16.500
Total - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.198	0.700
Total Coliforms	No./100ml	S	48	47	>0		1	2.128	0.000	0.021	1.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		4	36.364	44.100	88.891	133.500
Turbidity	FTU	S	6	6	>4.00		0	0.000	0.440	0.762	1.080
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	8.200	24.100	59.000

Commentary on Water Quality:

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

Population of zone = 17200

PCV Exceedences:

Sample failed 06-OCT-2003 (Z3607AE) Iron = 238.  
 Sample failed 06-OCT-2003 (Z3607AE) Lead = 163.  
 Sample failed 15-DEC-2003 (Z3607AE) Total Coliforms = 1 No./100m.  
 Sample failed 10-SEP-2003 (Z3607AE) Total Trihalomethanes = 133.5.  
 Sample failed 10-NOV-2003 (Z3607AE) Total Trihalomethanes = 114.9 ug/l.  
 Sample failed 06-OCT-2003 (Z3607AE) Total Trihalomethanes = 115.5.  
 Sample failed 01-SEP-2003 (Z3607AE) Total Trihalomethanes = 132.2.

Water Supply Zone - Z3607C - Mourne Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.042	< 0.083
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.375	0.700
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3607C - Mourne Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.125	0.200
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 17200

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 - Z3608 - Mid Down  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.
Aluminium	ug Al/l	I 36	34	>200	500	0	0.000	99.900	200.268	327.800
Ammonium	mg NH4/l	S 10	10	>0.50		0	0.000	< 0.000	< 0.012	0.024
Calcium		S 1	1	>250.0		0	0.000	4.400	4.400	4.400
Chloride	mg Cl/l	S 1	1	>400.00		0	0.000	11.606	11.606	11.606
Colony Counts 22	No./1 ml	S 52	52			0	0.000	0.000	5.808	86.000
Colony Counts 37 (48hrs)	No./1 ml	S 52	52			0	0.000	0.000	11.519	280.000
Colour	mg/l Pt/C	I 36	36	>20.00	35	0	0.000	< 0.000	< 7.184	14.000
Copper	ug Cu/l	S 4	4	>3000.00		0	0.000	< 3.300	<136.275	400.000
E_Coli	No./100ml	S 60	60	>0		1	1.667	0.000	0.550	33.000
Fluoride	ug F/l	S 1	1	>1500.00		0	0.000	123.932	123.932	123.932
Free - Residual disinfect	mg Cl/l	S 60	60			0	0.000	< 0.000	< 0.344	2.500
Hydrogen Ion	pH value	S 42	41	9.5		0	0.000	6.300	7.222	9.170
Iron	ug Fe/l	I 36	36	>200		1	2.778	34.300	86.647	403.300
Lead	ug Pb/l	I 12	12	>50.0		1	8.333	< 0.360	< 26.466	173.040
Magnesium		S 1	1	>50.00		0	0.000	0.500	0.500	0.500
Manganese	ug Mn/l	S 10	10	>50.0	200	0	0.000	4.000	10.930	36.800
Nitrate	mg NO3/l	S 10	10	>50.00		0	0.000	1.477	1.887	2.288
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	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S 1	1	>5.00		0	0.000	2.430	2.430	2.430
Phosphorous	ug P/l	S 1	1	>2200.00		0	0.000	< 7.000	< 7.000	< 7.000
Potassium		S 1	1	>12.00		0	0.000	0.700	0.700	0.700
Sodium	mg Na/l	S 1	1	>150.00		0	0.000	4.400	4.400	4.400
Sulphate	mg SO4/l	S 1	1	>250.00		0	0.000	1.702	1.702	1.702
Taste	Diln No	S 10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S 10	10	>25.0		0	0.000	5.900	12.110	19.100
Total - Residual disinfect	mg Cl/l	S 60	60			0	0.000	0.020	0.454	3.000
Total Coliforms	No./100ml	S 60	60	>0		1	1.667	0.000	0.550	33.000
Total Trihalomethanes	ug/l	I 12	11	>100.0		10	90.909	58.300	116.464	143.200
Turbidity	FTU	S 10	10	>4.00		0	0.000	0.430	1.178	3.300
Zinc	ug Zn/l	S 4	4	>5000.00		0	0.000	< 4.000	< 14.775	22.100

Commentary on Water Quality:

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

Population of zone = 22800

PCV Exceedences:

Sample failed 08-JUL-2003 (Z3608AE) E\_Coli = 33 No./100.  
 Sample failed 18-FEB-2003 (Z3608AE) Iron = 403.  
 Sample failed 16-SEP-2003 (Z3608AE) Lead = 173.  
 Sample failed 08-JUL-2003 (Z3608AE) Total Coliforms = 33 No./100.  
 Sample failed 18-FEB-2003 (Z3608AE) Total Trihalomethanes = <100.70000.  
 Sample failed 15-APR-2003 (Z3608AE) Total Trihalomethanes = 118.5.  
 Sample failed 17-JUN-2003 (Z3608AE) Total Trihalomethanes = 125.4 ug/l.  
 Sample failed 26-AUG-2003 (Z3608AE) Total Trihalomethanes = 118.2.  
 Sample failed 14-OCT-2003 (Z3608AE) Total Trihalomethanes = 123.0 ug/l.  
 Sample failed 18-NOV-2003 (Z3608AE) Total Trihalomethanes = 112.7 ug/l.  
 Sample failed 16-DEC-2003 (Z3608AE) Total Trihalomethanes = 118.9 ug/l.  
 Sample failed 26-FEB-2003 (Z3608AE) Total Trihalomethanes = 141.7.  
 Sample failed 13-MAY-2003 (Z3608AE) Total Trihalomethanes = 120.5 ug/l.

Notes:

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

Water Supply Zone - Z3608C - Mid Down Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	0.003	< 0.005	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.250	0.500
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z3608C - Mid Down Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 22800

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 - Z3701 - Saintfield Hillsborough  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.		
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	< 0.000	<173.780	249.400
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.014	0.051
Calcium	ug Cu/l	S	1	1	>250.0		0	0.000	4.400	4.400	4.400
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	10.392	10.392	10.392
Colony Counts 22	No./1 ml	S	52	53			0	0.000	0.000	9.792	200.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	53			0	0.000	0.000	2.509	41.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	4.000	9.659	14.000
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	22.100	84.325	173.500
E_Coli	No./100ml	S	84	85	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	138.436	138.436	138.436
Free - Residual disinfect	mg Cl/l	S	84	85			0	0.000	< 0.010	< 0.051	0.500
Hydrogen Ion	pH value	I	42	41	9.5		0	0.000	6.440	7.120	7.820
Iron	ug Fe/l	I	36	35	>200		2	5.714	<0	< 78.917	273.800
Lead	ug Pb/l	I	12	11	>50.0		0	0.000	< 0.690	< 6.819	50.390
Magnesium	ug Cu/l	S	1	1	>50.00		0	0.000	0.700	0.700	0.700
Manganese	ug Mn/l	S	10	10	>50.0	200	0	0.000	3.600	5.560	10.200
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.361	1.831	2.152
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.001	0.014
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	3.860	3.860	3.860
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 2.000	< 2.000	< 2.000
Potassium	ug Cu/l	S	1	1	>12.00		0	0.000	0.800	0.800	0.800
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	4.600	4.600	4.600
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	2.235	2.235	2.235
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	6.800	11.860	17.800
Total - Residual disinfect	mg Cl/l	S	84	85			0	0.000	0.020	0.100	0.700
Total Coliforms	No./100ml	S	84	85	>0		2	2.353	0.000	0.024	1.000
Total Trihalomethanes	ug/l	I	12	12	>100.0		5	41.667	66.500	102.617	201.900
Turbidity	FTU	I	36	35	>4.00		0	0.000	0.100	0.905	2.580
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 2.000	< 22.500	52.200

Commentary on Water Quality:

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

Population of zone = 34300

PCV Exceedences:

Sample failed 28-JAN-2003 (Z3701AE) Iron = 274.  
 Sample failed 18-NOV-2003 (Z3701AE) Iron = 216 ug Fe/.  
 Sample failed 08-JUL-2003 (Z3701AE) Total Coliforms = 1 No./100m.  
 Sample failed 11-NOV-2003 (Z3701AE) Total Coliforms = 1 No./100m.  
 Sample failed 21-JAN-2003 (Z3701AE) Total Trihalomethanes = 107.900.  
 Sample failed 22-JUL-2003 (Z3701AE) Total Trihalomethanes = 101.2 ug/l.  
 Sample failed 27-AUG-2003 (Z3701AE) Total Trihalomethanes = 132.9.  
 Sample failed 23-SEP-2003 (Z3701AE) Total Trihalomethanes = 201.9.  
 Sample failed 25-NOV-2003 (Z3701AE) Total Trihalomethanes = 102.1 ug/l.

Water Supply Zone - Z3701C - Saintfield Hillsborough Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.010	0.017
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	1.330	1.330	1.330
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500



Water Supply Zone - Z3701C - Saintfield Hillsborough Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.016
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 34300

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 - Z3702 - Lisburn Central  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	24	>200	500	0	0.000	< 1.500	< 97.254	251.700
Ammonium	mg NH4/l	S	6	6	>0.50		0	0.000	< 0.000	< 0.013	0.026
Calcium		S	1	1	>250.0		0	0.000	20.800	20.800	20.800
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	21.731	21.731	21.731
Colony Counts 22	No./1 ml	S	48	48			0	0.000	0.000	5.292	110.000
Colony Counts 37 (48hrs)	No./1 ml	S	48	48			0	0.000	0.000	3.021	63.000
Colour	mg/l Pt/C	S	6	6	>20.00	35	0	0.000	9.000	11.657	14.330
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	11.900	84.200	238.700
E_Coli	No./100ml	S	48	48	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.106	0.500
Hydrogen Ion	pH value	S	24	23	9.5		0	0.000	6.700	7.308	7.570
Iron	ug Fe/l	I	24	24	>200		1	4.167	< 10.000	< 59.308	225.200
Lead	ug Pb/l	I	12	11	>50.0		2	18.182	< 0.610	< 33.185	221.400
Magnesium		S	1	1	>50.00		0	0.000	9.000	9.000	9.000
Manganese	ug Mn/l	S	6	6	>50.0	100	0	0.000	2.000	6.300	14.400
Nitrate	mg NO3/l	S	6	6	>50.00		0	0.000	1.737	3.304	9.206
Nitrite	mg NO2/l	S	6	6	>0.100		0	0.000	< 0.000	< 0.004	0.012
Odour	Diln No	S	6	5	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	4.390	4.390	4.390
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 36.000	< 36.000	< 36.000
Potassium		S	1	1	>12.00		0	0.000	2.400	2.400	2.400
Sodium	mg Na/l	S	1	1	>150.00		0	0.000	10.500	10.500	10.500
Sulphate	mg SO4/l	S	1	1	>250.00		0	0.000	8.200	8.200	8.200
Taste	Diln No	S	6	6	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	7	>25.0		0	0.000	7.200	11.771	16.800
Total - Residual disinfect	mg Cl/l	S	48	48			0	0.000	0.020	0.189	0.700
Total Coliforms	No./100ml	S	48	46	>0		1	2.174	0.000	0.087	4.000
Total Trihalomethanes	ug/l	I	12	11	>100.0		3	27.273	62.300	91.355	116.900
Turbidity	FTU	I	24	24	>4.00		0	0.000	0.140	0.638	2.800
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	< 4.700	< 42.500	130.900

Commentary on Water Quality:

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

Population of zone = 11100

PCV Exceedences:

Sample failed 14-MAY-2003 (Z3702AE) Iron = 225 ug Fe/.  
 Sample failed 02-JUN-2003 (Z3702AE) Lead = 60 ug Pb/.  
 Sample failed 18-JUL-2003 (Z3702AE) Lead = 221 ug Pb/.  
 Sample failed 02-JUN-2003 (Z3702AE) Total Coliforms = 4 No./100m.  
 Sample failed 04-AUG-2003 (Z3702AE) Total Trihalomethanes = 116.9.  
 Sample failed 02-SEP-2003 (Z3702AE) Total Trihalomethanes = 112.5.  
 Sample failed 13-NOV-2003 (Z3702AE) Total Trihalomethanes = 102.1 ug/l.

Notes:

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

Water Supply Zone - Z3702C - Lisburn Central Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.600	0.600	0.600
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	0.001	0.009	0.013
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	26.000	26.000	26.000
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	>10.00	0	0.000	< 0.100	< 0.175	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	16.000	16.000	16.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.810	0.810	0.810
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.009	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.400	1.400	1.400
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z3702C - Lisburn Central Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.011	0.014	0.015
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 11100

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 - Z3703 - Lisburn Outer  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	500	0	0.000	< 3.600	< 8.020	17.200
Ammonium	mg NH4/l	S	10	10	>0.50		0	0.000	< 0.000	< 0.016	0.047
Calcium		S	1	1	>250.0		0	0.000	23.600	23.600	23.600
Chloride	mg Cl/l	S	1	1	>400.00		0	0.000	24.081	24.081	24.081
Colony Counts 22	No./1 ml	S	52	52			0	0.000	0.000	35.788	999.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52			0	0.000	0.000	10.269	210.000
Colour	mg/l Pt/C	S	10	10	>20.00	35	0	0.000	1.850	8.815	15.240
Copper	ug Cu/l	S	4	4	>3000.00		0	0.000	16.500	134.400	367.700
E_Coli	No./100ml	S	96	96	>0		0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00		0	0.000	225.089	225.089	225.089
Free - Residual disinfect	mg Cl/l	S	96	96			0	0.000	0.020	0.143	0.600
Hydrogen Ion	pH value	S	60	59	9.5		0	0.000	7.300	7.522	7.910
Iron	ug Fe/l	I	48	48	>200		0	0.000	< 7.100	< 28.379	118.900
Lead	ug Pb/l	S	4	4	>50.0		0	0.000	1.600	2.713	4.900
Magnesium		S	1	1	>50.00		0	0.000	12.100	12.100	12.100
Manganese	ug Mn/l	S	10	10	>50.0	100	0	0.000	1.000	7.420	29.500
Nitrate	mg NO3/l	S	10	10	>50.00		0	0.000	1.011	2.892	9.666
Nitrite	mg NO2/l	S	10	10	>0.100		0	0.000	< 0.000	< 0.011	0.019
Odour	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00		0	0.000	1.550	1.550	1.550
Phosphorous	ug P/l	S	1	1	>2200.00		0	0.000	< 40.000	< 40.000	< 40.000
Potassium		S	1	1	>12.00		0	0.000	2.300	2.300	2.300
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	>250.00		0	0.000	13.736	13.736	13.736
Taste	Diln No	S	10	10	>3	4	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0		0	0.000	5.900	11.140	17.500
Total - Residual disinfect	mg Cl/l	S	96	96			0	0.000	0.080	0.267	0.800
Total Coliforms	No./100ml	S	96	96	>0		0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	24	23	>100.0		9	39.130	68.200	100.187	171.200
Turbidity	FTU	S	10	10	>4.00		0	0.000	0.121	0.363	1.200
Zinc	ug Zn/l	S	4	4	>5000.00		0	0.000	14.100	19.025	23.100

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 38000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 23-JAN-2003 (Z3703AE) Total Trihalomethanes = 120.200.  
 Sample failed 13-FEB-2003 (Z3703AE) Total Trihalomethanes = 113.000000.  
 Sample failed 27-FEB-2003 (Z3703AE) Total Trihalomethanes = 115.3.  
 Sample failed 08-JUL-2003 (Z3703AE) Total Trihalomethanes = 126.3 ug/l.  
 Sample failed 24-JUL-2003 (Z3703AE) Total Trihalomethanes = 125.0 ug/l.  
 Sample failed 13-AUG-2003 (Z3703AE) Total Trihalomethanes = 110.4.  
 Sample failed 28-OCT-2003 (Z3703AE) Total Trihalomethanes = 100.4 ug/l.  
 Sample failed 31-DEC-2003 (Z3703AE) Total Trihalomethanes = 103.2 ug/l.

Water Supply Zone - Z3703C - Lisburn Outer Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.900	0.900	0.900
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	0.013	0.016	0.021
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	42.000	42.000	42.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	18.000	18.000	18.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.890	1.890	1.890
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z3703C - Lisburn Outer Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.010	0.012	0.014
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	25.000	25.000	25.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
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	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 38000

This zone has a surface water source :R2308

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 - Z4301 - Londonderry  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	21.000	57.900	153.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.010	< 0.037	0.160
Calcium		S	1	1	>250.0	0	0.000	13.500	13.500	13.500
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.407	23.407	23.407
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	0.404	10.000
Colony Counts 37 (48hrs)		S	52	0		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.100	< 1.260	3.200
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 4.400	< 15.325	39.500
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.010	0.144	0.910
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	6.750	7.656	8.600
Iron	ug Fe/l	I	36	36	>200	5	13.889	1.000	78.611	267.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.448	2.790
Magnesium		S	1	1	>50.00	0	0.000	1.300	1.300	1.300
Manganese	ug Mn/l	S	10	10	>50.000	0	0.000	< 1.000	< 5.000	15.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.670	1.462	3.260
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.040	1.040	1.040
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 9.000	< 9.000	< 9.000
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
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	>250.00	0	0.000	33.974	33.974	33.974
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.900	10.450	15.200
Total - Residual disinfect	mg Cl/l	S	84	84		0	0.000	0.010	0.477	22.000
Total Coliforms	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	1	9.091	26.700	63.636	109.800
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.030	0.256	0.620
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.600	< 8.975	12.700

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 32000

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 21-MAY-2003 (Z4301AE) Iron = 267 ug per.  
 Sample failed 26-SEP-2003 (Z4301AE) Iron = 265.  
 Sample failed 09-DEC-2003 (Z4301AE) Iron = 205 ug per.  
 Sample failed 03-DEC-2003 (Z4301AE) Iron = 202 ug per.  
 Sample failed 12-DEC-2003 (Z4301AE) Iron = 249 ug per.  
 Sample failed 17-SEP-2003 (Z4301AE) Total Trihalomethanes = 109.8.



Water Supply Zone - Z4301C - Londonderry Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.300	0.300	0.300
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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	0.100	0.300	0.900
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.580	0.580	0.580
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.700	0.700	0.700
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z4301C - Londonderry Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 32000

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

Water Supply Zone - Z4303 - Carmoney West Bank  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	18.000	39.500	75.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.010	< 0.024	0.040
Calcium		S	1	1	>250.0	0	0.000	32.800	32.800	32.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	30.652	30.652	30.652
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	0.327	7.000
Colony Counts 37 (48hrs)		S	52	0		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.100	< 0.710	1.800
Copper	ug Cu/l	S	4	5	>3000.00	0	0.000	< 0.100	< 9.820	23.600
E_Coli	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 4.567	< 4.567	< 4.567
Free - Residual disinfect	mg Cl/l	S	96	96		0	0.000	0.010	0.170	0.890
Hydrogen Ion	pH value	S	60	60	9.5	0	0.000	6.640	7.844	8.370
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.000	< 14.400	84.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.190	0.680	1.270
Magnesium		S	1	1	>50.00	0	0.000	4.400	4.400	4.400
Manganese	ug Mn/l	S	10	10	>50.000	0	0.000	1.000	3.200	7.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.870	5.397	9.150
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.250	1.250	1.250
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 2.000	< 2.000	< 2.000
Potassium		S	1	1	>12.00	0	0.000	2.500	2.500	2.500
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	14.800	14.800	14.800
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	34.360	34.360	34.360
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	5.900	10.050	15.200
Total - Residual disinfect	mg Cl/l	S	96	96		0	0.000	0.010	0.260	0.870
Total Coliforms	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	24	22	>100.0	0	0.000	42.100	61.277	94.700
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.010	< 0.119	0.300
Zinc	ug Zn/l	S	4	5	>5000.00	0	0.000	< 0.100	< 14.580	62.100

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 36000

This zone has a surface water source :R4301

PCV Exceedences:

Water Quality was satisfactory

Water Supply Zone - Z4303C - Carmoney West Bank Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	2.240	2.240	2.240
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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	12.200	12.200	12.200
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	>10.00	0	0.000	< 0.100	< 0.475	1.600
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.462	0.462	0.462
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.009	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.028	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.700	1.700	1.700
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z4303C - Carmoney West Bank Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 36000

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

Water Supply Zone - Z4304 - Killea  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	8.000	9.250	12.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.020	0.033	0.040
Calcium		S	1	1	>250.0	0	0.000	14.400	14.400	14.400
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	27.139	27.139	27.139
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	0.167	1.000
Colony Counts 37 (48hrs)		S	12	0		0	0			
Colour	mg/l Pt/C	S	4	3	>20.00	0	0.000	0.300	2.567	3.800
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	15.900	155.175	549.100
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 5.746	< 5.746	< 5.746
Free - Residual disinfectmg	mg Cl/l	S	12	12		0	0.000	< 0.010	< 0.188	0.810
Hydrogen Ion	pH value	S	6	6	9.5	0	0.000	7.100	7.330	7.610
Iron	ug Fe/l	S	4	4	>200	0	0.000	2.000	33.750	78.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.950	1.848	2.760
Magnesium		S	1	1	>50.00	0	0.000	4.200	4.200	4.200
Manganese	ug Mn/l	S	4	4	>50.000	0	0.000	< 1.000	< 2.250	6.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.330	2.090	3.710
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
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.510	1.510	1.510
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 27.690	< 27.690	< 27.690
Potassium		S	1	1	>12.00	0	0.000	1.800	1.800	1.800
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	14.400	14.400	14.400
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	8.189	8.189	8.189
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	6.500	9.650	12.200
Total - Residual disinfectmg	mg Cl/l	S	12	12		0	0.000	0.010	0.218	0.560
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	20.000	25.350	30.600
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.020	0.715	2.090
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	9.800	22.225	41.700

Commentary on Water Quality:

Population of zone = 1000

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

Water Supply Zone - Z4304C - Killea Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z4304C - Killea Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.006	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 1000

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



Water Supply Zone - Z4305 - Stradreagh  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	3.000	22.000	30.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.020	0.023	0.030
Calcium		S	1	1	>250.0	0	0.000	13.700	13.700	13.700
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.054	22.054	22.054
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)		S	12	0		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	0.700	1.250	2.800
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 2.400	< 5.350	8.400
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	87.509	87.509	87.509
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.030	0.146	0.410
Hydrogen Ion	pH value	S	6	5	9.5	0	0.000	7.390	7.862	8.400
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 1.000	< 72.500	152.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.000	1.670	4.680
Magnesium		S	1	1	>50.00	0	0.000	2.000	2.000	2.000
Manganese	ug Mn/l	S	4	4	>50.000	0	0.000	< 1.000	< 4.500	7.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.600	4.255	14.310
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
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.140	1.140	1.140
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 6.000	< 6.000	< 6.000
Potassium		S	1	1	>12.00	0	0.000	0.900	0.900	0.900
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	>250.00	0	0.000	29.733	29.733	29.733
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	7.900	14.050	19.000
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.070	0.168	0.320
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	6	>100.0	1	16.667	< 1.800	< 74.767	119.900
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.120	0.228	0.350
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 2.100	< 5.500	9.300

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 4100

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 13-OCT-2003 (Z4305AE) Total Trihalomethanes = 119.9 ug/l.

Water Supply Zone - Z4305C - Stradreagh Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.350	1.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	2.380	2.380	2.380
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z4305C - Stradreagh Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	1	25.000	< 0.020	< 0.099	0.330
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 4100

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 06-OCT-2003 (Z4305AEC) Total PAH = 0.33 ug/l.

Notes:

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

Water Supply Zone - Z4307 - Brishey  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.
Aluminium ug Al/l	S	4	4	>200	0	0.000	< 1.000	< 12.000	40.000
Ammonium mg NH4/l	S	4	4	>0.50	0	0.000	0.010	0.025	0.040
Calcium	S	1	1	>250.0	0	0.000	21.000	21.000	21.000
Chloride mg Cl/l	S	1	1	>400.00	0	0.000	12.643	12.643	12.643
Colony Counts 22 No./1 ml	S	12	12		0	0.000	0.000	> 30.833	>300.000
Colony Counts 37 (48hrs)	S	12	0		0	0			
Colour mg/l Pt/C	S	4	3	>20.00	0	0.000	< 0.100	< 0.800	1.300
Copper ug Cu/l	S	4	4	>3000.00	0	0.000	< 1.500	< 6.325	12.200
E_Coli No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfectmg Cl/l	S	12	12		0	0.000	0.010	0.101	0.420
Hydrogen Ion pH value	S	6	6	9.5	0	0.000	7.590	7.815	7.950
Iron ug Fe/l	S	4	4	>200	0	0.000	< 1.000	< 41.500	139.000
Lead ug Pb/l	S	4	4	>50.0	0	0.000	0.010	1.125	2.140
Magnesium	S	1	1	>50.00	0	0.000	11.600	11.600	11.600
Manganese ug Mn/l	S	4	4	>50.000	0	0.000	< 1.000	< 3.000	9.000
Nitrate mg NO3/l	S	4	4	>50.00	0	0.000	0.320	2.335	3.730
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
Oxidizability mg O2/l	S	1	1	>5.00	0	0.000	3.670	3.670	3.670
Phosphorous ug P/l	S	1	1	>2200.00	0	0.000	< 12.000	< 12.000	< 12.000
Potassium	S	1	1	>12.00	0	0.000	4.900	4.900	4.900
Sodium mg Na/l	S	1	1	>150.00	0	0.000	7.300	7.300	7.300
Sulphate mg SO4/l	S	1	1	>250.00	0	0.000	2.338	2.338	2.338
Taste Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature Deg C	S	4	4	>25.0	0	0.000	7.300	10.375	15.400
Total - Residual disinfectmg Cl/l	S	12	12		0	0.000	< 0.010	< 0.154	0.500
Total Coliforms No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes ug/l	I	12	12	>100.0	0	0.000	1.700	13.967	66.200
Turbidity FTU	S	4	4	>4.00	0	0.000	0.020	0.188	0.340
Zinc ug Zn/l	S	4	4	>5000.00	0	0.000	< 1.200	< 1.625	< 2.200

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 3000

This zone has a surface water source :R4306

PCV Exceedences:

Water Quality was satisfactory

Water Supply Zone - Z4307C - Brishey Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.004	< 0.004	< 0.004
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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	7	>10.00	0	0.000	< 0.100	< 0.286	1.400
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.500	0.500	0.500
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.010	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
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	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.100	1.100	1.100
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z4307C - Brishey Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	10	>0.20	0	0.000	< 0.020	< 0.029	0.060
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 3000

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

Water Supply Zone - Z4308 - Carmoney East Bank  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	19.000	51.500	88.000
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	0.010	0.018	0.030
Calcium		S	1	1	>250.0	0	0.000	43.600	43.600	43.600
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	29.137	29.137	29.137
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	0.833	16.000
Colony Counts 37 (48hrs)		S	48	0		0	0			
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	< 0.100	< 0.917	2.800
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	<0	< 2.625	8.100
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 17.023	< 17.023	< 17.023
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.020	0.229	0.980
Hydrogen Ion	pH value	S	24	24	9.5	0	0.000	7.500	7.965	8.360
Iron	ug Fe/l	S	6	6	>200	0	0.000	7.000	13.500	24.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.000	1.038	1.960
Magnesium		S	1	1	>50.00	0	0.000	5.900	5.900	5.900
Manganese	ug Mn/l	S	6	6	>50.000	0	0.000	< 1.000	< 6.500	29.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	3.740	5.713	8.360
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.785	0.785	0.785
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 0.570	< 0.570	< 0.570
Potassium		S	1	1	>12.00	0	0.000	2.900	2.900	2.900
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	18.100	18.100	18.100
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	57.954	57.954	57.954
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	5.800	9.883	13.800
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	0.010	0.290	0.660
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	12.200	55.858	93.700
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.010	< 0.145	0.570
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 3.600	< 4.625	6.100

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 19650

This zone has a surface water source :R4301

PCV Exceedences:

Water Quality was satisfactory

Water Supply Zone - Z4308C - Carmoney East Bank Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.300	0.300	0.300
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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	S	4	4	>10.00	0	0.000	< 0.100	< 0.450	1.500
Boron	ug B/l	S	1	1	>2000.00	0	0.000	13.000	13.000	13.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.750	0.750	0.750
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.005	0.011	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.028	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.010	1.010	1.010
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230



Water Supply Zone - Z4308C - Carmoney East Bank Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 19650

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

Water Supply Zone - Z4309 - Limavady 2  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	24.000	41.000	65.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	0.010	0.026	0.050
Calcium		S	1	1	>250.0	0	0.000	14.400	14.400	14.400
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.252	23.252	23.252
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	0.192	2.000
Colony Counts 37 (48hrs)		S	52	0		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.100	< 0.790	2.000
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 1.000	< 7.800	16.500
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	60	60		0	0.000	0.010	0.137	0.710
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	6.780	7.547	8.600
Iron	ug Fe/l	I	36	36	>200	2	5.556	< 1.000	< 68.889	364.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.470	2.880
Magnesium		S	1	1	>50.00	0	0.000	1.300	1.300	1.300
Manganese	ug Mn/l	S	10	10	>50.000	0	0.000	< 1.000	< 5.100	13.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	0.400	0.888	1.150
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	10	10	>3	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
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 12.000	< 12.000	< 12.000
Potassium		S	1	1	>12.00	0	0.000	0.800	0.800	0.800
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	>250.00	0	0.000	37.449	37.449	37.449
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.700	9.930	14.300
Total - Residual disinfect	mg Cl/l	S	60	60		0	0.000	< 0.010	< 0.212	0.750
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	3	25.000	< 45.200	< 80.183	122.000
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.030	0.155	0.480
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	6.100	7.175	8.100

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 24200

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 31-JUL-2003 (Z4309AE) Iron = 364 ug per.  
 Sample failed 12-SEP-2003 (Z4309AE) Iron = 264.  
 Sample failed 20-AUG-2003 (Z4309AE) Total Trihalomethanes = 111.8.  
 Sample failed 14-OCT-2003 (Z4309AE) Total Trihalomethanes = 122.0 ug/l.  
 Sample failed 17-NOV-2003 (Z4309AE) Total Trihalomethanes = 105.8 ug/l.

Water Supply Zone - Z4309C - Limavady 2 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.050	< 0.050	< 0.050
Arsenic	ug As/l	S	1	1	>50.00	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	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.125	0.200
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.002	0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.007	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	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
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.600	0.600	0.600
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z4309C - Limavady 2 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.007	0.010
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 24200

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

Water Supply Zone - Z4502 - Lough Bradan  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	25	>200	3	12.000	24.000	111.120	444.000
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	0.010	0.025	0.050
Calcium		S	1	0	>250.0	0	0			
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	20.884	20.884	20.884
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	5.708	89.000
Colony Counts 37 (48hrs)		S	48	0		0	0			
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	0.900	1.967	4.100
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 0.000	< 6.025	21.400
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	48	48		0	0.000	< 0.010	< 0.149	0.910
Hydrogen Ion	pH value	I	24	24	9.5	0	0.000	7.440	7.840	8.300
Iron	ug Fe/l	I	24	11	>200	1	9.091	< 1.000	< 72.273	438.000
Lead	ug Pb/l	S	4	2	>50.0	0	0.000	< 1.000	< 7.145	13.290
Magnesium		S	1	0	>50.00	0	0			
Manganese	ug Mn/l	S	6	6	>50.000	0	0.000	5.000	12.667	19.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.460	0.655	0.990
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.139	3.139	3.139
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 12.190	< 12.190	< 12.190
Potassium		S	1	0	>12.00	0	0			
Sodium	mg Na/l	S	1	0	>150.00	0	0			
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	77.175	77.175	77.175
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	5.300	10.650	16.500
Total - Residual disinfect	mg Cl/l	S	48	48		0	0.000	< 0.010	< 0.173	0.740
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	50.900	81.100	98.100
Turbidity	FTU	S	6	6	>4.00	0	0.000	< 0.010	< 0.285	0.650
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 4.700	< 11.025	29.400

Commentary on Water Quality:

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

Population of zone = 11500

This zone has a surface water source :R4501

PCV Exceedences:

Sample failed 02-JAN-2003 (Z4502AE) Aluminium = 385.  
 Sample failed 10-FEB-2003 (Z4502AE) Aluminium = 444.  
 Sample failed 04-JUN-2003 (Z4502AE) Aluminium = 217 ug Al/.  
 Sample failed 02-JUL-2003 (Z4502AE) Iron = 438 ug per.

Notes:

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

Water Supply Zone - Z4502C - Lough Bradan Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	27.000	27.000	27.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	15.000	15.000	15.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.012	< 0.012	< 0.012
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.028	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	1.000	1.000	1.000

Water Supply Zone - Z4502C - Lough Bradan Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.043	0.090
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 11500

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

Water Supply Zone - Z4504 - Lough Macrory  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	< 1.000	< 63.400	133.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	< 0.010	< 0.057	0.400
Calcium		S	1	1	>250.0	0	0.000	14.100	14.100	14.100
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.308	17.308	17.308
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	7.904	284.000
Colony Counts 37 (48hrs)		S	52	0		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	0.000	1.280	4.700
Copper	ug Cu/l	S	4	5	>3000.00	0	0.000	7.400	19.420	49.600
E_Coli	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 3.650	< 3.650	< 3.650
Free - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.010	0.603	10.290
Hydrogen Ion	pH value	S	42	43	9.5	0	0.000	7.110	8.229	9.470
Iron	ug Fe/l	I	36	36	>200	1	2.778	< 1.000	< 32.361	562.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.000	0.808	1.230
Magnesium		S	1	1	>50.00	0	0.000	2.400	2.400	2.400
Manganese	ug Mn/l	S	10	10	>50.000	0	0.000	< 1.000	< 5.300	13.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.000	2.047	3.880
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	10	11	>3	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
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 9.000	< 9.000	< 9.000
Potassium		S	1	1	>12.00	0	0.000	1.100	1.100	1.100
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	>250.00	0	0.000	19.250	19.250	19.250
Taste	Diln No	S	10	11	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	7.300	10.850	15.700
Total - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.060	1.764	84.000
Total Coliforms	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	0	0.000	24.900	55.209	89.700
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.010	< 0.248	1.210
Zinc	ug Zn/l	S	4	6	>5000.00	0	0.000	< 1.500	< 6.633	15.000

Commentary on Water Quality:

I: Increased frequency of analysis for Iron, Total Trihalomethanes

Population of zone = 26500

This zone has a surface water source :R4501

PCV Exceedences:

Sample failed 09-APR-2003 (Z4504AE) Iron = 562.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point



Water Supply Zone - Z4504C - Lough Macrory Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	0.006
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	>1000.00	0	0.000	4.000	4.000	4.000
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	>10.00	0	0.000	< 0.100	< 1.350	5.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.010	< 0.010	< 0.010
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.006	0.010
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z4504C - Lough Macrory Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.009	0.020
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	0.010

Commentary on Water Quality:

Population of zone = 26500

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

Water Supply Zone - Z4505 - Glenhordial  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	6	6	>200	0	0.000	25.000	48.000	71.000
Ammonium	mg NH4/l	S	6	6	>0.50	0	0.000	0.010	0.027	0.060
Calcium		S	1	1	>250.0	0	0.000	12.200	12.200	12.200
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	17.877	17.877	17.877
Colony Counts 22	No./1 ml	S	48	48		0	0.000	0.000	0.604	15.000
Colony Counts 37 (48hrs)		S	48	0		0	0			
Colour	mg/l Pt/C	S	6	6	>20.00	0	0.000	< 0.100	< 1.083	2.400
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 0.000	< 6.000	12.100
E_Coli	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	83.800	83.800	83.800
Free - Residual disinfectmg	Cl/l	S	48	48		0	0.000	0.070	0.308	0.790
Hydrogen Ion	pH value	S	24	24	9.5	0	0.000	7.300	8.038	9.080
Iron	ug Fe/l	S	6	6	>200	0	0.000	< 1.000	< 12.000	22.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.180	0.988	1.770
Magnesium		S	1	1	>50.00	0	0.000	2.000	2.000	2.000
Manganese	ug Mn/l	S	6	6	>50.000	0	0.000	< 1.000	< 6.833	15.000
Nitrate	mg NO3/l	S	6	6	>50.00	0	0.000	0.820	1.453	3.040
Nitrite	mg NO2/l	S	6	6	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.670	1.670	1.670
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 4.000	< 4.000	< 4.000
Potassium		S	1	1	>12.00	0	0.000	1.100	1.100	1.100
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	>250.00	0	0.000	30.618	30.618	30.618
Taste	Diln No	S	6	6	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	6	6	>25.0	0	0.000	8.200	11.783	16.300
Total - Residual disinfectmg	Cl/l	S	48	48		0	0.000	0.040	0.382	0.860
Total Coliforms	No./100ml	S	48	48	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	7.400	48.975	78.900
Turbidity	FTU	S	6	6	>4.00	0	0.000	0.090	0.132	0.170
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 0.800	< 3.625	6.400

Commentary on Water Quality:

Population of zone = 13300

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 - Z4505C - Glenhordial Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.200	0.200	0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.350	1.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	23.000	23.000	23.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.490	0.490	0.490
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	0.020	0.020	0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.011	0.020
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.028	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z4505C - Glenhordial Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 13300

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 - Z4509 - Lenamore  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	15.000	35.000	68.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.020	0.105	0.210
Calcium		S	1	1	>250.0	0	0.000	4.400	4.400	4.400
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	9.663	9.663	9.663
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	30.833	340.000
Colony Counts 37 (48hrs)		S	12	0		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	0.300	1.650	4.400
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 2.400	< 43.575	134.300
E_Coli	No./100ml	S	12	12	>0	1	8.333	0.000	0.083	1.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.010	0.270	0.960
Hydrogen Ion	pH value	S	6	5	9.5	0	0.000	6.390	6.884	7.800
Iron	ug Fe/l	S	4	4	>200	0	0.000	3.000	12.750	31.000
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	1.000	1.300	1.900
Magnesium		S	1	1	>50.00	0	0.000	2.100	2.100	2.100
Manganese	ug Mn/l	S	4	4	>50.000	0	0.000	1.000	2.750	8.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.612	2.653	3.780
Nitrite	mg NO2/l	S	4	4	>0.100	0	0.000	< 0.010	< 0.028	0.060
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	0.750	0.750	0.750
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 21.000	< 21.000	< 21.000
Potassium		S	1	1	>12.00	0	0.000	0.600	0.600	0.600
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	>250.00	0	0.000	< 0.751	< 0.751	< 0.751
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	10.100	14.000	17.200
Total - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.030	0.388	1.180
Total Coliforms	No./100ml	S	12	12	>0	1	8.333	0.000	0.167	2.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	2.500	9.350	23.600
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.030	0.100	0.170
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	7.700	20.700	39.100

Commentary on Water Quality:

Population of zone = 1700

This zone has a surface water source :R4501

PCV Exceedences:

Sample failed 21-JUL-2003 (Z4509AE) E\_Coli = 1 No./100m.

Sample failed 21-JUL-2003 (Z4509AE) Total Coliforms = 2 No./100m.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z4509C - Lenamore Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.600	0.600	0.600
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	>1000.00	0	0.000	5.000	5.000	5.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.002	0.002
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
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	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	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
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.400	0.400	0.400
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200

Water Supply Zone - Z4509C - Lenamore Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 1700

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



Water Supply Zone - Z4513 - Bready  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	12.000	26.500	34.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.200	0.240	0.290
Calcium		S	1	1	>250.0	0	0.000	23.900	23.900	23.900
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.970	18.970	18.970
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	0.167	2.000
Colony Counts 37 (48hrs)		S	12	0		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	2.000	3.400	5.600
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 3.100	< 8.525	13.700
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.010	0.218	0.710
Hydrogen Ion	pH value	S	6	6	9.5	0	0.000	7.500	8.050	8.540
Iron	ug Fe/l	S	4	4	>200	0	0.000	7.000	60.500	108.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.000	0.700	1.050
Magnesium		S	1	1	>50.00	0	0.000	2.200	2.200	2.200
Manganese	ug Mn/l	S	4	4	>50.000	0	0.000	4.000	13.000	29.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	2.260	5.685	9.350
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
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.110	2.110	2.110
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 9.000	< 9.000	< 9.000
Potassium		S	1	1	>12.00	0	0.000	1.500	1.500	1.500
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	>250.00	0	0.000	45.938	45.938	45.938
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	8.400	11.275	15.800
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.030	0.571	0.900
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	14.100	30.208	86.300
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.050	0.190	0.280
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 5.200	< 5.850	6.900

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 2000

This zone has a surface water source :R4306

PCV Exceedences:

Water Quality was satisfactory

Water Supply Zone - Z4513C - Bready Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.700	0.700	0.700
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	1.300	1.300	1.300
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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	6	>10.00	0	0.000	< 0.100	< 0.150	0.300
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.270	0.270	0.270
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	0.010	0.035	0.070
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.010	0.020
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	< 0.500	< 0.500	< 0.500
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.500	0.500	0.500
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z4513C - Bready Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	7	>0.20	4	57.143	0.080	0.290	0.600
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.062	0.090
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 2000

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 10-JUN-2003 (Z4513AEC) Total PAH = 0.23 ug/l.  
 Sample failed 08-JUL-2003 (Z4513AEC) Total PAH = 0.48 ug/l.  
 Sample failed 12-AUG-2003 (Z4513AEC) Total PAH = 0.60 ug/l.  
 Sample failed 09-SEP-2003 (Z4513AEC) Total PAH = 0.36 ug/l.

Notes:

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

Water Supply Zone - Z4520 - Derg 2  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	36	36	>200	0	0.000	7.000	32.722	58.000
Ammonium	mg NH4/l	I	36	36	>0.50	1	2.778	< 0.010	< 0.255	0.580
Calcium		S	1	1	>250.0	0	0.000	31.600	31.600	31.600
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.817	18.817	18.817
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	1.827	75.000
Colony Counts 37 (48hrs)		S	52	0		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	0.100	1.870	7.000
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 0.600	< 11.975	17.700
E_Coli	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.030	0.186	1.200
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	6.800	8.067	8.700
Iron	ug Fe/l	I	36	36	>200	0	0.000	< 1.000	< 12.444	74.000
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	0.160	1.263	2.630
Magnesium		S	1	1	>50.00	0	0.000	3.200	3.200	3.200
Manganese	ug Mn/l	S	10	9	>50.000	0	0.000	< 1.000	< 2.333	4.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	2.830	5.951	9.110
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	0.010	0.015	0.030
Odour	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	3.319	3.319	3.319
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 4.000	< 4.000	< 4.000
Potassium		S	1	1	>12.00	0	0.000	2.700	2.700	2.700
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	10.900	10.900	10.900
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	51.635	51.635	51.635
Taste	Diln No	S	10	10	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	7.800	10.630	17.100
Total - Residual disinfect	mg Cl/l	S	72	72		0	0.000	0.050	0.758	1.400
Total Coliforms	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	22.700	25.950	31.800
Turbidity	FTU	S	10	9	>4.00	0	0.000	< 0.010	< 0.066	0.130
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 0.000	< 8.075	23.300

Commentary on Water Quality:

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

Population of zone = 26620

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 17-DEC-2003 (Z4520AE) Ammonium = 0.58 mg NH.

Water Supply Zone - Z4520C - Derg 2 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.400	0.400	0.400
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	0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.450	1.500
Boron	ug B/l	S	1	1	>2000.00	0	0.000	12.000	12.000	12.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.820	0.820	0.820
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	0.000	< 0.005	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	11	>0.10	1	9.091	0.010	0.040	0.110
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCP)	ug/l	S	4	10	>0.10	0	0.000	< 0.005	< 0.018	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.760	0.760	0.760
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	0.300	0.300	0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z4520C - Derg 2 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH ug/l	S	4	4	>0.20	0	0.000	< 0.020	< 0.035	0.080
Total Pesticides ug/l	S	4	4	>0.50	0	0.000	< 0.050	< 0.066	0.111
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 26620

PCV Exceedences:

Sample failed 08-JUL-2003 (Z4520AEC) MCPA = 0.11 ug/l.

Notes:

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

Water Supply Zone - Z4704 - Belleek  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	4	4	>200	0	0.000	1.000	13.250	20.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.010	< 0.020	0.030
Calcium		S	1	1	>250.0	0	0.000	31.300	31.300	31.300
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	18.997	18.997	18.997
Colony Counts 22	No./1 ml	S	12	12		0	0.000	0.000	25.167	290.000
Colony Counts 37 (48hrs)		S	12	0		0	0			
Colour	mg/l Pt/C	S	4	3	>20.00	0	0.000	0.100	0.167	0.300
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 3.700	< 19.025	46.500
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.030	0.353	1.100
Hydrogen Ion	pH value	S	6	6	9.5	0	0.000	7.700	7.907	8.010
Iron	ug Fe/l	S	4	4	>200	0	0.000	< 1.000	< 8.250	24.000
Lead	ug Pb/l	S	4	3	>50.0	0	0.000	< 1.000	< 1.460	2.070
Magnesium		S	1	1	>50.00	0	0.000	3.000	3.000	3.000
Manganese	ug Mn/l	S	4	4	>50.000	0	0.000	< 1.000	< 6.500	12.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	2.220	2.740	3.170
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
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	1.710	1.710	1.710
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 4.000	< 4.000	< 4.000
Potassium		S	1	1	>12.00	0	0.000	3.700	3.700	3.700
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	22.400	22.400	22.400
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	56.014	56.014	56.014
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	0.030	8.683	13.600
Total - Residual disinfect	mg Cl/l	S	12	12		0	0.000	0.030	1.861	16.700
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	12	>100.0	0	0.000	41.700	59.675	86.100
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.020	0.495	1.690
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	< 2.100	< 10.650	19.400

Commentary on Water Quality:

I: Increased frequency of analysis for Total Trihalomethanes

Population of zone = 3000

This zone has a surface water source :R4513

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 - Z4704C - Belleek Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	< 0.120	< 0.120	< 0.120
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	0.014	0.018	0.022
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	>1000.00	0	0.000	27.000	27.000	27.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.015	< 0.015	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.005	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.460	0.460	0.460
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.002
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	< 0.003	< 0.005	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
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	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.006	< 0.009
MCPA	ug/l	S	4	11	>0.10	0	0.000	0.010	0.028	0.050
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.021	< 0.021	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.008	0.010
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	1.150	1.150	1.150
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.013	< 0.013	< 0.013
Pentachlorophenol	ug/l	S	4	11	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.017	< 0.017	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230



Water Supply Zone - Z4704C - Belleek Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.010	0.013	0.017
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.070	0.091
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 3000

This zone has a surface water source :R4513

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 - Z4705 - Kesh  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	I	24	23	>200	0	0.000	35.000	76.609	141.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.020	0.028	0.050
Calcium		S	1	1	>250.0	0	0.000	5.600	5.600	5.600
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	22.459	22.459	22.459
Colony Counts 22	No./1 ml	S	24	23		0	0.000	0.000	> 17.435	>300.000
Colony Counts 37 (48hrs)		S	24	0		0	0			
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	1.400	2.175	3.600
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	< 3.900	< 19.800	55.600
E_Coli	No./100ml	S	24	23	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	< 0.000	< 0.000	< 0.000
Free - Residual disinfect	mg Cl/l	S	24	23		0	0.000	0.030	0.097	0.320
Hydrogen Ion	pH value	S	12	10	9.5	0	0.000	7.320	7.659	7.900
Iron	ug Fe/l	S	4	4	>200	0	0.000	15.000	55.000	91.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.640	1.205	2.180
Magnesium		S	1	1	>50.00	0	0.000	1.200	1.200	1.200
Manganese	ug Mn/l	S	4	4	>50.000	0	0.000	1.000	3.250	6.000
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.390	0.708	1.150
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
Oxidizability	mg O2/l	S	1	1	>5.00	0	0.000	2.290	2.290	2.290
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 1.000	< 1.000	< 1.000
Potassium		S	1	1	>12.00	0	0.000	0.700	0.700	0.700
Sodium	mg Na/l	S	1	1	>150.00	0	0.000	51.800	51.800	51.800
Sulphate	mg SO4/l	S	1	1	>250.00	0	0.000	60.514	60.514	60.514
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	4	4	>25.0	0	0.000	5.200	9.950	17.100
Total - Residual disinfect	mg Cl/l	S	24	23		0	0.000	0.030	0.123	0.420
Total Coliforms	No./100ml	S	24	23	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	I	12	11	>100.0	2	18.182	25.000	80.864	104.300
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.158	0.410
Zinc	ug Zn/l	S	4	4	>5000.00	0	0.000	7.100	16.250	25.100

Commentary on Water Quality:

I: Increased frequency of analysis for Aluminium, Total Trihalomethanes

Population of zone = 5200

This zone has a surface water source :R4513

PCV Exceedences:

Sample failed 14-APR-2003 (Z4705AE) Total Trihalomethanes = 104.3.

Sample failed 16-JUN-2003 (Z4705AE) Total Trihalomethanes = 103.3 ug/l.

Water Supply Zone - Z4705C - Kesh Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.170	< 0.170	< 0.170
Arsenic	ug As/l	S	1	1	>50.00	0	0.000	0.200	0.200	0.200
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	< 0.001	< 0.004	< 0.005
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	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	>10.00	0	0.000	< 0.100	< 0.300	0.900
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	0.000	0.000	0.000
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.420	0.420	0.420
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.028	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	0	0.000	< 0.100	< 0.100	< 0.100
Nickel	ug Ni/l	S	1	1	>50.00	0	0.000	0.680	0.680	0.680
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.230	< 0.230	< 0.230

Water Supply Zone - Z4705C - Kesh Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine	ug/l	S	4	>0.10	0	0.000	< 0.001	< 0.004	< 0.005
Surfactants	ug/l L.SO	S	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene	ug/l	S	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne	ug/l	S	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene	ug/l	S	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane	ug/l	S	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total PAH	ug/l	S	4	>0.20	0	0.000	< 0.020	< 0.020	< 0.020
Total Pesticides	ug/l	S	4	>0.50	0	0.000	< 0.050	< 0.050	< 0.050
Trichloroethene	ug/l	S	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin	ug/l	S	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT	ug/l	S	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT	ug/l	S	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 5200

This zone has a surface water source :R4513

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 - Z4715 - Tattinbar  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	7.000	21.800	35.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	0.020	0.042	0.080
Calcium		S	1	1	>250.0	0	0.000	59.800	59.800	59.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	21.158	21.158	21.158
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	> 14.865	>300.000
Colony Counts 37 (48hrs)		S	52	0		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.100	< 0.610	2.500
Copper	ug Cu/l	S	4	4	>3000.00	0	0.000	4.800	12.050	24.100
E_Coli	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	52.140	52.140	52.140
Free - Residual disinfectmg	Cl/l	S	60	60		0	0.000	0.010	0.085	0.310
Hydrogen Ion	pH value	S	42	42	9.5	0	0.000	6.800	7.605	9.340
Iron	ug Fe/l	S	10	10	>200	0	0.000	< 1.000	< 19.200	38.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.000	< 0.518	< 1.000
Magnesium		S	1	1	>50.00	0	0.000	3.400	3.400	3.400
Manganese	ug Mn/l	S	10	10	>50.000	0	0.000	1.000	5.700	15.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.290	2.263	3.840
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	10	11	>3	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
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 1.000	< 1.000	< 1.000
Potassium		S	1	1	>12.00	0	0.000	3.400	3.400	3.400
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	>250.00	0	0.000	96.623	96.623	96.623
Taste	Diln No	S	10	11	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	7.200	10.710	15.900
Total - Residual disinfectmg	Cl/l	S	60	60		0	0.000	0.040	0.188	0.480
Total Coliforms	No./100ml	S	60	60	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	9.100	48.725	75.200
Turbidity	FTU	S	10	10	>4.00	0	0.000	< 0.010	< 0.286	1.690
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	< 5.300	< 6.867	8.800

Commentary on Water Quality:

Population of zone = 22950

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

Water Supply Zone - Z4715C - Tattinbar Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Arsenic	ug As/l	S	1	1	>50.00	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	< 0.014	0.023
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	8.000	8.000	8.000
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	>10.00	0	0.000	< 0.100	< 0.100	< 0.100
Boron	ug B/l	S	1	1	>2000.00	0	0.000	< 11.000	< 11.000	< 11.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	0	0.000	0.410	0.410	0.410
Clopyralid	ug/l	S	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.046	0.080
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCPP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.014	0.020
Mercury	ug Hg/l	S	1	1	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	1.300	1.300	1.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z4715C - Tattinbar Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.011	0.017
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.091	0.136
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 22950

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

Water Supply Zone - Z4717 - Killyhevlin 3  
 Printed On 18-MAY-2004 : Water Service

: Period 01-JAN-2003 to 31-DEC-2003 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.	
Aluminium	ug Al/l	S	10	10	>200	0	0.000	8.000	21.300	32.000
Ammonium	mg NH4/l	S	10	10	>0.50	0	0.000	0.020	0.039	0.090
Calcium		S	1	1	>250.0	0	0.000	68.800	68.800	68.800
Chloride	mg Cl/l	S	1	1	>400.00	0	0.000	23.204	23.204	23.204
Colony Counts 22	No./1 ml	S	52	51		0	0.000	0.000	28.863	288.000
Colony Counts 37 (48hrs)		S	52	0		0	0			
Colour	mg/l Pt/C	S	10	10	>20.00	0	0.000	< 0.100	< 0.980	3.100
Copper	ug Cu/l	S	4	5	>3000.00	0	0.000	8.900	50.980	174.000
E_Coli	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Fluoride	ug F/l	S	1	1	>1500.00	0	0.000	39.702	39.702	39.702
Free - Residual disinfect	mg Cl/l	S	96	96		0	0.000	0.020	0.093	0.750
Hydrogen Ion	pH value	S	60	60	9.5	0	0.000	6.950	7.525	8.090
Iron	ug Fe/l	S	10	10	>200	0	0.000	6.000	40.900	169.000
Lead	ug Pb/l	S	4	4	>50.0	0	0.000	0.030	0.763	1.020
Magnesium		S	1	1	>50.00	0	0.000	3.800	3.800	3.800
Manganese	ug Mn/l	S	10	10	>50.000	0	0.000	1.000	8.300	24.000
Nitrate	mg NO3/l	S	10	10	>50.00	0	0.000	1.120	2.228	3.100
Nitrite	mg NO2/l	S	10	10	>0.100	0	0.000	< 0.010	< 0.010	< 0.010
Odour	Diln No	S	10	11	>3	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
Phosphorous	ug P/l	S	1	1	>2200.00	0	0.000	< 18.000	< 18.000	< 18.000
Potassium		S	1	1	>12.00	0	0.000	3.600	3.600	3.600
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	>250.00	0	0.000	102.135	102.135	102.135
Taste	Diln No	S	10	11	>3	0	0.000	0.000	0.000	0.000
Temperature	Deg C	S	10	10	>25.0	0	0.000	6.500	12.010	17.200
Total - Residual disinfect	mg Cl/l	S	96	96		0	0.000	0.040	0.222	1.140
Total Coliforms	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	< 34.600	< 46.375	73.600
Turbidity	FTU	S	10	10	>4.00	0	0.000	0.080	0.148	0.280
Zinc	ug Zn/l	S	4	3	>5000.00	0	0.000	21.500	184.367	494.300

Commentary on Water Quality:

Population of zone = 37650

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



Water Supply Zone - Z4717C - Killyhevlin 3 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	S	4	4	>0.1	0	0.000	< 0.200	< 0.275	< 0.300
Aldrin	ug/l	S	4	4	>0.1	0	0.000	< 0.005	< 0.005	< 0.005
Antimony	ug Sb/l	S	1	1	>10.00	0	0.000	0.100	0.100	0.100
Arsenic	ug As/l	S	1	1	>50.00	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	0.011	0.017	0.024
Azinphos methyl	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.022	< 0.028
Barium	ug Ba/l	S	1	1	>1000.00	0	0.000	28.000	28.000	28.000
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	>10.00	0	0.000	< 0.100	< 0.300	0.900
Boron	ug B/l	S	1	1	>2000.00	0	0.000	18.000	18.000	18.000
Cadmium	ug Cd/l	S	1	1	>5.00	0	0.000	< 0.090	< 0.090	< 0.090
Chlorfenvinphos	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Chlorpropham	ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.006
Chlortoluron	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.004	< 0.007
Chromium	ug Cr/l	S	1	1	>50.00	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
Cyanide	ug CN/l	S	1	1	>50.00	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	< 0.002	< 0.006	< 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	< 0.002	< 0.006	< 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	< 0.002	< 0.012	< 0.015
Dieldrin	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
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	< 0.003	< 0.004	< 0.007
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	< 0.002	< 0.002
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	< 0.003	< 0.003
Fenitrothion	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.012	< 0.015
Fenpropimorph	ug/l	S	4	4	>0.10	0	0.000	< 0.007	< 0.017	< 0.020
Flumethrin	ug/l	S	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Flutriafol	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.017	< 0.021
Gamma-HCH (Lindane)	ug/l	S	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
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	< 0.001	< 0.001
Isoproturon	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.004	< 0.009
MCPA	ug/l	S	4	4	>0.10	1	25.000	0.010	0.053	0.110
Malathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.016	< 0.021
Mecoprop (MCP)	ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.038	< 0.095
Mercury	ug Hg/l	S	1	1	>1.00	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
Parathion	ug/l	S	4	4	>0.10	0	0.000	< 0.003	< 0.010	< 0.013
Pentachlorophenol	ug/l	S	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Propetamphos	ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.013	< 0.017
Selenium	ug Se/l	S	1	1	>10.00	0	0.000	< 0.300	< 0.300	< 0.300
Silver	ug Ag/l	S	1	1	>10.00	0	0.000	< 0.500	< 0.500	< 0.500

Water Supply Zone - Z4717C - Killyhevlin 3 Contract Analysis  
 Printed On 18-MAY-2004 : Water Service : Period 01-JAN-2003 to 31-DEC-2003 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.
Simazine ug/l	S	4	4	>0.10	0	0.000	0.006	0.010	0.015
Surfactants ug/l L.SO	S	1	1	>200.00	0	0.000	< 20.000	< 20.000	< 20.000
Tecnazene ug/l	S	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Terbutryne ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.008	< 0.010
Tetrachloroethene ug/l	S	4	4	>10.00	0	0.000	< 0.200	< 0.275	< 0.300
Tetrachloromethane ug/l	S	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
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	>0.50	0	0.000	< 0.050	< 0.096	0.177
Trichloroethene ug/l	S	4	4	>30.00	0	0.000	< 0.200	< 0.500	< 0.600
Trifluralin ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
op-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
pp-DDT ug/l	S	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004

Commentary on Water Quality:

Population of zone = 37650

PCV Exceedences:

Sample failed 12-AUG-2003 (Z4717AEC) MCPA = 0.11 ug/l.

Notes:

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