

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z101 - Alcrossagh

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 0 | 0.000 | < 4.000 | < 21.167 | 43.000 |
| Ammonium | mg NH4/l | S | 12 | 12 | >0.50 | 0 | 0.000 | < 0.000 | < 0.017 | 0.070 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.203 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.318 | 0.700 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.002 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.006 | 0.010 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.600 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 6.000 | < 8.500 | 13.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.663 | 1.100 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.033 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 19.949 | 21.080 | 22.096 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.529 | 1.400 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 192.750 | 2312.00 |
| Colour | mg/l Pt/C | S | 12 | 12 | >20.00 | 0 | 0.000 | < 0.010 | < 1.459 | 4.900 |
| Conductivity | uS/cm 20 | AS | 12 | 12 | >2500 | 0 | 0.000 | 298.000 | 343.583 | 413.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 5.846 | 46.700 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 3.063 | 6.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.022 | 0.112 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectmg | Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.030 | 0.330 | 0.880 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 12 | 12 | 9.50 | 0 | 0.000 | 7.080 | 7.731 | 8.980 |
| Iron | ug Fe/l | S | 12 | 12 | >200 | 0 | 0.000 | 10.605 | 23.210 | 66.930 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | 0.060 | < 0.423 | < 1.000 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 12 | 12 | >50.0 | 0 | 0.000 | < 0.032 | < 2.196 | 11.130 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.500 | 0.943 | 2.050 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 7.042 | 22.323 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | 0.002 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | < 0.012 | < 12.029 | 15.528 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 19.398 | 29.316 | 37.523 |
| Taste | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.120 | 0.431 | 0.980 |
| Total Coliforms | MPN | S | 24 | 24 | >0 | 1 | 4.167 | 0.000 | 0.083 | 2.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.063 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 0.670 | 1.155 | 1.940 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 2 | 25.000 | 10.300 | 58.275 | 110.700 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 10.000 | < 10.000 |
| Turbidity | NTU | S | 12 | 12 | >4.00 | 0 | 0.000 | < 0.010 | < 0.142 | 0.650 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 7400

This zone has a surface water source :R1704

PCV Exceedences:

Sample failed 10-FEB-2005 (Z101AE) Total Coliforms = 2 No./100m.
 Sample failed 09-JUN-2005 (Z101AE) Total Trihalomethanes = 107.9 ug/l.
 Sample failed 05-SEP-2005 (Z101AE) Total Trihalomethanes = 110.7 ug/l.

Notes:

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

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Water Supply Zone - Z102 - Altnahinch

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| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 0 | 0.000 | < 4.000 | < 32.194 | 129.000 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.020 | 0.320 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.235 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.210 | 0.500 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.438 | 0.500 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 6.000 | < 6.500 | < 7.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.688 | 1.300 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 16.874 | 18.645 | 21.093 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.496 | 1.010 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.056 | 1.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 1.306 | 34.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 0.100 | < 3.511 | 13.400 |
| Conductivity | uS/cm 20 | AS | 36 | 36 | >2500 | 0 | 0.000 | 153.000 | 193.111 | 232.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 4.535 | 36.200 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 2.688 | 4.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.011 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 84 | 85 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 1.749 | < 13.883 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 84 | 85 | | 0 | 0.000 | 0.000 | 0.197 | 1.370 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 6.660 | 7.614 | 8.880 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 2 | 5.556 | < 2.927 | < 75.276 | 532.690 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.040 | < 0.265 | 1.020 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 1 | 2.778 | < 0.080 | < 4.345 | 63.784 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.008 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.813 | 1.610 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.361 | 6.019 | 15.799 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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|---------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 11.350 | 13.442 | 16.000 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 3.186 | 43.295 | 63.597 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | mg/l | S | 84 | 85 | >0 | 0 | 0.000 | 0.010 | 0.271 | 1.480 |
| Total Coliforms | MPN | S | 84 | 85 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | 1.320 | 2.501 | 3.650 |
| Total Pesticides | ug/l | AS | 8 | 8 | >100.0 | 2 | 25.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 2 | 25.000 | 9.700 | 55.875 | 111.900 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | < 0.010 | < 0.377 | 3.630 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 33690

This zone has a surface water source :R1702

PCV Exceedences:

Sample failed 18-APR-2005 (Z102AE) Iron = 532.690 ug.
 Sample failed 27-OCT-2005 (Z102AE) Iron = 260.12 ug.
 Sample failed 18-APR-2005 (Z102AE) Manganese = 63.784 ug.
 Sample failed 23-JUN-2005 (Z102AE) Total Trihalomethanes = 103.2 ug/l.
 Sample failed 09-AUG-2005 (Z102AE) Total Trihalomethanes = 111.9 ug/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z103 - Ballinrees

: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 52 | >200.0 | 0 | 0.000 | < 3.000 | < 21.538 | 52.000 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.013 | 0.106 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.193 | 0.200 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.195 | 0.400 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.003 | 0.007 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | 7.000 | 10.250 | 15.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.017 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 19.399 | 24.501 | 29.148 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.543 | 1.460 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 104 | 102 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 2.808 | 74.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 2.635 | 121.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 3.082 | 18.500 |
| Conductivity | uS/cm 20 | AS | 104 | 104 | >2500 | 0 | 0.000 | 0.000 | 289.413 | 439.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 1.942 | 15.500 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | 2.000 | 4.150 | 8.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.012 | < 0.013 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 192 | 192 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 9 | >1.500 | 0 | 0.000 | < 0.000 | < 0.027 | 0.082 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 192 | 192 | | 0 | 0.000 | 0.000 | 0.125 | 0.730 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.005 | 0.010 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.010 | 7.837 | 8.970 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 2.300 | < 24.094 | 133.673 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.040 | < 0.350 | < 1.000 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.009 | 0.020 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.028 | < 2.162 | 5.308 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.510 | 1.118 | 1.610 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 1.272 | 3.498 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z103 - Ballinrees
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.004 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 10.492 | 12.878 | 15.684 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 51.068 | 56.729 | 63.271 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.213 | 0.300 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | mg Cl/l | S | 192 | 192 | | 0 | 0.000 | 0.010 | 0.235 | 0.860 |
| Total Coliforms | MPN | S | 192 | 192 | >0 | 3 | 1.563 | 0.000 | 0.021 | 2.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 1.700 | 2.946 | 4.530 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 2 | 25.000 | 39.000 | 83.238 | 134.300 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | < 0.010 | < 0.228 | 2.500 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 76410

This zone has a surface water source :R1701

PCV Exceedences:

Sample failed 16-AUG-2005 (Z103AE) Total Coliforms = 1 No./100m.
 Sample failed 02-SEP-2005 (Z103AE) Total Coliforms = 1 No./100m.
 Sample failed 02-SEP-2005 (Z103AE) Total Coliforms = 2 No./100m.
 Sample failed 05-JUL-2005 (Z103AE) Total Trihalomethanes = 134.3 ug/l.
 Sample failed 03-OCT-2005 (Z103AE) Total Trihalomethanes = 118.9 ug/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z104 - Ballymena Borough

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 40 | 42 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 0 | 0.000 | < 1.000 | < 8.278 | 45.000 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.013 | 0.085 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.269 | 0.800 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.200 | 0.575 | 1.200 |
| Asulam | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.006 | 0.013 |
| Azinphos methyl | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 40 | 42 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 40 | 42 | >1000.0 | 0 | 0.000 | < 6.000 | < 13.000 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.019 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 40 | 42 | >250.00 | 0 | 0.000 | 1.979 | 20.435 | 26.987 |
| Chlorpropham | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.533 | 1.420 |
| Clopyralid | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | S | 8 | 3 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Clostridium perfringens | No./100 m | AS | 425 | 424 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 37 | | 0 | 0.000 | 0.000 | 10.189 | 91.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 37 | | 0 | 0.000 | 0.000 | 4.135 | 76.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 1 | 2.778 | < 0.400 | < 5.531 | 28.800 |
| Conductivity | uS/cm 20 | S | 36 | 36 | >2500 | 0 | 0.000 | 137.000 | 284.111 | 401.000 |
| Conductivity | uS/cm 20 | AS | 425 | 425 | >2500 | 0 | 0.000 | < 2.000 | <278.678 | 409.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.011 | 10.915 | 82.800 |
| Cyanide | ug CN/l | AS | 40 | 42 | >50 | 0 | 0.000 | 2.000 | 3.452 | 15.000 |
| Cypermethrum | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Diazinon | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorbenil | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 120 | 120 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 40 | 41 | >1.500 | 0 | 0.000 | < 0.000 | < 5.561 | 105.278 |
| Flutriafol | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectcmg Cl/l | | S | 120 | 120 | | 0 | 0.000 | 0.000 | 0.065 | 0.730 |
| Gamma-HCH (Lindane) | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 7.070 | 7.371 | 8.030 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 1 | 2.778 | < 6.300 | < 48.538 | 252.000 |
| Isoproturon | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 1 | 12.500 | 0.040 | 5.610 | 41.550 |
| MCPA | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.003 |
| Malathion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | <0 | < 1.881 | 4.854 |
| Mecoprop (MCP) | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 40 | 42 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.221 | 1.800 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.341 | 7.826 | 23.872 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z104 - Ballymena Borough
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|--------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| PAH - Sum of four subst | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Pentachlorophenol | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.363 | 0.700 |
| Simazine | ug/l | AS | 40 | 42 | >0.100 | 0 | 0.000 | < 0.001 | < 0.006 | 0.020 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 8.397 | 13.337 | 17.650 |
| Sulphate | mg SO4/l | AS | 40 | 41 | >250 | 0 | 0.000 | < 0.000 | < 20.159 | 67.816 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichl | ug/l | AS | 40 | 42 | >10.00 | 0 | 0.000 | < 0.200 | < 0.205 | 0.300 |
| Tetrachloromethane | ug/l | AS | 40 | 42 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 120 | 120 | >0 | 0 | 0.000 | 0.010 | 0.186 | 0.820 |
| Total Coliforms | MPN | S | 120 | 120 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 40 | 42 | >0.100 | 0 | 0.000 | < 0.050 | < 0.070 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 40 | 42 | >100.0 | 0 | 0.000 | 0.100 | 3.866 | 33.900 |
| Total Pesticides | ug/l | AS | 40 | 42 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 150 | 0.000 | 26.500 | 52.008 | 95.600 |
| Trifluralin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 40 | 42 | >100.00 | 0 | 0.000 | < 10.000 | < 13.571 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | < 0.010 | < 0.210 | 0.710 |
| op-DDT | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 45200

This zone has a surface water source :R1303

PCV Exceedences:

Sample failed 07-NOV-2005 (Z104AE) Colour = 28.80 mg/l.

Sample failed 27-JAN-2005 (Z104AE) Iron = 252 ug Fe/.

Sample failed 01-JUN-2005 (Z104AE) Lead = 41.550 ug.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z105 - Bellaghy
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 16 | 17 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 16 | 17 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 1.000 | < 12.167 | 72.000 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.004 | 0.029 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.223 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.248 | 0.700 |
| Asulam | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.001 | < 0.003 | 0.008 |
| Azinphos methyl | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 16 | 17 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.450 | 0.700 |
| Boron | ug B/l | AS | 16 | 17 | >1000.0 | 0 | 0.000 | < 6.000 | < 8.235 | 12.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.023 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 17 | >250.00 | 0 | 0.000 | < 0.000 | < 17.225 | 22.212 |
| Chlorpropham | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | 0.790 | 1.135 | 1.720 |
| Clopyralid | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | S | 8 | 0 | >0 | 0 | 0 | | | |
| Clostridium perfringens | No./100 m | AS | 60 | 59 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 12.167 | 256.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.250 | 6.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 1.613 | 7.700 |
| Conductivity | uS/cm 20 | S | 24 | 24 | >2500 | 0 | 0.000 | 155.000 | 374.583 | 407.000 |
| Conductivity | uS/cm 20 | AS | 60 | 60 | >2500 | 0 | 0.000 | 137.000 | 263.977 | 403.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.012 | 75.197 | 600.800 |
| Cyanide | ug CN/l | AS | 16 | 17 | >50 | 0 | 0.000 | < 2.100 | < 3.282 | 7.000 |
| Cypermethrum | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.015 |
| Diazinon | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorbenil | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 16 | 17 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 17 | >1.500 | 0 | 0.000 | < 0.000 | < 1.685 | 27.719 |
| Flutriafol | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.104 | 0.210 |
| Gamma-HCH (Lindane) | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 16 | 17 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 16 | 17 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.230 | 7.400 | 8.170 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 1 | 4.167 | < 1.800 | < 34.582 | 217.269 |
| Isoproturon | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.040 | < 1.831 | 13.430 |
| MCPA | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | 0.000 | 0.003 | 0.020 |
| Malathion | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.010 | < 1.268 | 4.984 |
| Mecoprop (MCPP) | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 16 | 17 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.693 | 1.210 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 2.646 | 21.545 | 27.520 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z105 - Bellaghy
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Pentachlorophenol | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 16 | 17 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 16.009 | 16.775 | 18.122 |
| Sulphate | mg SO4/l | AS | 16 | 17 | >250 | 0 | 0.000 | < 0.000 | < 33.517 | 67.816 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichl | ug/l | AS | 16 | 17 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 16 | 17 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 36 | 36 | >0 | 0 | 0.000 | 0.010 | 0.156 | 0.280 |
| Total Coliforms | MPN | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 16 | 17 | >0.100 | 0 | 0.000 | < 0.050 | < 0.076 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 17 | >100.0 | 0 | 0.000 | 0.770 | 1.650 | 6.570 |
| Total Pesticides | ug/l | AS | 16 | 17 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 21.400 | 36.413 | 76.800 |
| Trifluralin | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 16 | 17 | >100.00 | 0 | 0.000 | < 10.000 | < 15.294 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | < 0.000 | < 0.185 | 1.210 |
| op-DDT | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 16 | 17 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13800

This zone has a surface water source :R1303

PCV Exceedences:

Sample failed 25-APR-2005 (Z105AE) Iron = 217.269 ug.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z106 - Buckna
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 4 | 4 | >200.0 | 0 | 0.000 | < 0.000 | < 0.750 | < 3.000 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.022 | 0.064 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.235 | 0.400 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.120 | < 0.380 | 0.700 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.005 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.889 | 11.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | 0.000 | 0.031 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 17.610 | 18.411 | 19.646 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | 0.330 | 1.073 | 1.740 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 23 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 1.000 | 4.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.450 | < 3.153 | 7.730 |
| Conductivity | uS/cm 20 | AS | 24 | 24 | >2500 | 0 | 0.000 | 268.500 | 287.146 | 314.000 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | < 0.003 | < 40.310 | 161.200 |
| Cyanide | ug CN/l | AS | 8 | 9 | >50 | 0 | 0.000 | 2.000 | 3.489 | 11.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.057 | 0.377 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.040 | 0.384 | 0.820 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 7.070 | 7.343 | 7.700 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 0 | 0.000 | < 5.400 | < 9.925 | 15.900 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 4 | >25.0 | 0 | 0.000 | < 0.060 | < 1.705 | 4.510 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 0 | 0.000 | < 0.000 | < 0.425 | 1.700 |
| Mecoprop (MCPP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.500 | < 0.798 | 1.190 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | 4.611 | 15.956 | 27.895 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z106 - Buckna
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 4 | >10.0 | 0 | 0.000 | 0.300 | 0.300 | 0.300 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.011 |
| Sodium | mg Na/l | S | 4 | 4 | >200.00 | 0 | 0.000 | 12.183 | 13.591 | 16.735 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 1.943 | 6.401 | 8.543 |
| Taste | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.211 | 0.300 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.100 | 0.467 | 0.880 |
| Total Coliforms | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 0.170 | 0.779 | 1.330 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 4 | 4 | >100.0 | 0 | 0.000 | 29.500 | 47.700 | 70.800 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 4 | 4 | >4.00 | 0 | 0.000 | 0.050 | < 0.128 | < 0.260 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4900

This zone has a surface water source :R1307

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z107 - Drumabest

: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 0 | 0.000 | < 4.000 | < 15.750 | 34.000 |
| Ammonium | mg NH4/l | S | 12 | 12 | >0.50 | 0 | 0.000 | < 0.000 | < 0.035 | 0.380 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.215 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.295 | 0.700 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.002 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | 6.000 | 8.125 | 10.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.175 | 5.200 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.020 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 18.781 | 19.974 | 20.698 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.735 | 1.660 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.500 | 4.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.583 | 7.000 |
| Colour | mg/l Pt/C | S | 12 | 12 | >20.00 | 0 | 0.000 | < 0.200 | < 1.975 | 7.800 |
| Conductivity | uS/cm 20 | AS | 24 | 24 | >2500 | 0 | 0.000 | 268.000 | 352.542 | 385.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.001 | < 3.257 | 26.000 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | 2.000 | 3.063 | 8.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.025 | 0.070 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.238 | 0.540 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 12 | 12 | 9.50 | 0 | 0.000 | 6.870 | 7.317 | 7.740 |
| Iron | ug Fe/l | S | 12 | 12 | >200 | 1 | 8.333 | 3.000 | 52.794 | 375.184 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | 0.050 | < 0.390 | < 1.000 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 12 | 12 | >50.0 | 0 | 0.000 | < 0.169 | < 3.616 | 16.830 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.000 | 2.690 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.103 | 11.054 | 23.037 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z107 - Drumabest
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.338 | 0.500 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | 0.001 | 0.001 | 0.002 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 11.340 | 15.035 | 17.673 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | < 0.000 | < 10.586 | 13.142 |
| Taste | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.050 | 0.321 | 0.670 |
| Total Coliforms | MPN | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 0.580 | 0.675 | 0.800 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 2 | 25.000 | 5.900 | 49.588 | 110.800 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 12 | 12 | >4.00 | 0 | 0.000 | < 0.010 | < 0.280 | 1.190 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 8100

This zone has a surface water source :R1705

PCV Exceedences:

Sample failed 18-JUL-2005 (Z107AE) Iron = 375.184 ug.
 Sample failed 06-SEP-2005 (Z107AE) Total Trihalomethanes = 107.2 ug/l.
 Sample failed 18-OCT-2005 (Z107AE) Total Trihalomethanes = 110.8 ug/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z108 - Dungonnell

: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 8.500 | < 37.092 | 107.700 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.013 | 0.064 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.198 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.183 | 0.300 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.008 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.500 | 1.100 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.667 | 12.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.888 | 1.500 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.006 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 13.407 | 16.054 | 19.840 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | 0.130 | 0.259 | 0.460 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 1.917 | 31.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.125 | 2.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 3.027 | 13.600 |
| Conductivity | uS/cm 20 | AS | 36 | 36 | >2500 | 0 | 0.000 | 137.000 | 182.681 | 224.600 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 3.617 | 28.900 |
| Cyanide | ug CN/l | AS | 8 | 9 | >50 | 0 | 0.000 | < 2.100 | < 3.278 | 7.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.012 | < 0.015 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 9 | >1.500 | 0 | 0.000 | < 0.000 | < 3.106 | 27.719 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.006 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 48 | 49 | | 0 | 0.000 | < 0.000 | < 0.201 | 0.690 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.210 | 7.632 | 9.030 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 1 | 4.167 | < 6.000 | < 73.958 | 349.900 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.675 | 4.410 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 1.088 | 6.100 |
| Mecoprop (MCP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.174 | 3.730 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 1.003 | 6.471 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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 Water Supply Zone - Z108 - Dungonnell
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 8.996 | 10.435 | 12.854 |
| Sulphate | mg SO4/l | AS | 8 | 9 | >250 | 0 | 0.000 | 31.262 | 48.494 | 67.816 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 48 | 49 | | 0 | 0.000 | 0.040 | 0.282 | 1.030 |
| Total Coliforms | No./100ml | S | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.078 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 9 | | 0 | 0.000 | 0.770 | 2.251 | 6.570 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 29.200 | 63.400 | 90.900 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 16.667 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | < 0.060 | < 0.253 | 0.810 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 18500

This zone has a surface water source :R1303

PCV Exceedences:

Sample failed 04-MAR-2005 (Z108AE) Iron = 350 ug Fe/.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z109 - Dunore North
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 52 | >200.0 | 0 | 0.000 | < 0.000 | < 14.842 | 135.300 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.014 | 0.049 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.355 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.813 | 1.200 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.008 | 0.013 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.463 | 0.900 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 6.000 | < 16.917 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.650 | 1.000 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.012 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 25 | >250.00 | 0 | 0.000 | 1.979 | 22.659 | 26.987 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.271 | 0.520 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 7.173 | 318.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 0.673 | 18.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 4.035 | 19.900 |
| Conductivity | uS/cm 20 | AS | 365 | 365 | >2500 | 0 | 0.000 | < 2.000 | <287.589 | 409.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.006 | 6.024 | 45.600 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 3.504 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 156 | 156 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 8.316 | 105.278 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 156 | 156 | | 0 | 0.000 | < 0.000 | < 0.109 | 0.760 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.330 | 7.654 | 8.640 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 0.000 | < 14.204 | 111.200 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.660 | 2.770 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.003 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 0.535 | 8.200 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.013 | 1.790 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 2.466 | 5.724 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z109 - Dunore North
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.363 | 0.600 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.009 | 0.020 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 11.476 | 13.551 | 14.944 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 14.119 | 17.302 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.204 | 0.300 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 156 | 156 | | 0 | 0.000 | 0.030 | 0.236 | 1.210 |
| Total Coliforms | No./100ml | S | 156 | 156 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.067 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | 0.100 | 5.436 | 33.900 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 26 | >100.0 | 150 | 0.000 | 34.700 | 55.127 | 99.300 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 12.500 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.060 | 0.192 | 0.930 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 63900

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z110 - Killylane

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 52 | >200.0 | 3 | 5.769 | < 0.000 | <116.573 | 276.600 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.013 | 0.098 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.298 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.293 | 0.500 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.500 | 0.800 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | < 6.000 | < 6.667 | 8.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 2 | 25.000 | < 0.600 | < 7.175 | 37.900 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.011 | 0.013 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 14.323 | 19.949 | 28.641 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.220 | 0.630 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 52 | 53 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 4.000 | 61.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 2.827 | 120.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 1 | 1.923 | < 0.000 | < 3.766 | 21.500 |
| Conductivity | uS/cm 20 | AS | 52 | 52 | >2500 | 0 | 0.000 | < 1.276 | <200.546 | 283.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 1.527 | 8.600 |
| Cyanide | ug CN/l | AS | 8 | 9 | >50 | 0 | 0.000 | 2.000 | 3.167 | 6.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.011 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 132 | 132 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 4.082 | 32.343 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 132 | 131 | | 0 | 0.000 | < 0.000 | < 0.135 | 1.210 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.005 | 0.010 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 6.840 | 8.112 | 9.250 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 2 | 3.846 | < 0.900 | < 57.379 | 1113.50 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 1.399 | 4.350 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 1 | 1.923 | < 0.000 | < 2.319 | 52.900 |
| Mecoprop (MCP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.766 | 1.750 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.789 | 1.510 | 2.926 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z110 - Killylane
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 9.654 | 14.564 | 35.630 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 15.611 | 33.023 | 46.439 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | ug/l | S | 132 | 131 | >0.100 | 0 | 0.000 | < 0.000 | < 0.213 | 1.720 |
| Total Coliforms | No./100ml | S | 132 | 132 | >0 | 1 | 0.758 | 0.000 | 0.045 | 6.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | 2.140 | 2.924 | 3.530 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 9 | >100.0 | 3 | 33.333 | 49.100 | 85.684 | 124.900 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.000 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | < 0.080 | < 0.245 | 2.060 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 52745

This zone has a surface water source :R1501

PCV Exceedences:

Sample failed 30-SEP-2005 (Z110AE) Aluminium = 211 ug Al/.
 Sample failed 01-NOV-2005 (Z110AE) Aluminium = 277 ug Al/.
 Sample failed 08-DEC-2005 (Z110AE) Aluminium = 234 ug Al/.
 Sample failed 30-AUG-2005 (Z110AE) Bromate = 37.90 ug/l.
 Sample failed 17-OCT-2005 (Z110AE) Bromate = 15.60 ug/l.
 Sample failed 18-MAY-2005 (Z110AE) Colour = 21.5 mg/l.
 Sample failed 12-OCT-2005 (Z110AE) Iron = 462 ug Fe/.
 Sample failed 01-NOV-2005 (Z110AE) Iron = 1114 ug Fe.
 Sample failed 07-SEP-2005 (Z110AE) Manganese = 53 ug Mn/l.
 Sample failed 08-SEP-2005 (Z110AE) Total Coliforms = 6 No./100m.
 Sample failed 18-JUL-2005 (Z110AE) Total Trihalomethanes = 107.9 ug/l.
 Sample failed 30-AUG-2005 (Z110AE) Total Trihalomethanes = 124.9 ug/l.
 Sample failed 17-OCT-2005 (Z110AE) Total Trihalomethanes = 101.1 ug/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z111 - Lough Fea

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 11.000 | < 40.833 | 173.000 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.013 | 0.085 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.219 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.308 | 0.800 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.125 | 12.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.033 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 10.112 | 12.880 | 15.583 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.351 | 0.940 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 52 | 53 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 2.458 | 36.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.750 | 16.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 2.600 | 14.500 |
| Conductivity | uS/cm 20 | AS | 52 | 52 | >2500 | 0 | 0.000 | 123.000 | 154.019 | 421.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.629 | 4.800 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 2.700 | 5.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 60 | 60 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.016 | 0.093 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 60 | 60 | | 0 | 0.000 | 0.000 | 0.264 | 0.880 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 6.810 | 7.555 | 8.480 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 5.515 | < 47.890 | 177.983 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | 0.090 | < 0.403 | < 1.000 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.013 | 0.050 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.270 | < 1.934 | 7.300 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 2.728 | 9.250 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.215 | 1.307 | 5.644 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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Water Supply Zone - Z111 - Lough Fea

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|---------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 6.009 | 14.674 | 43.686 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 32.660 | 37.553 | 45.973 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 60 | 60 | | 0 | 0.000 | 0.020 | 0.345 | 0.990 |
| Total Coliforms | MPN | S | 60 | 60 | >0 | 1 | 1.667 | 0.000 | 0.050 | 3.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | 0.000 | < 0.056 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 1.020 | 1.893 | 2.630 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 34.800 | 52.488 | 64.000 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | 0.000 | < 8.750 | < 10.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | < 0.000 | < 0.204 | 1.840 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 20600

This zone has a surface water source :R1302

PCV Exceedences:

Sample failed 20-JUN-2005 (Z111AE) Total Coliforms = 3 No./100m.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z112 - Morneal
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 16 | 16 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | 15.000 | 56.875 | 105.000 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.022 | 0.352 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.248 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.303 | 0.800 |
| Asulam | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.005 | 0.014 |
| Azinphos methyl | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 16 | 16 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 16 | 16 | >1000.0 | 0 | 0.000 | < 6.000 | < 11.375 | 18.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.638 | 8.900 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.033 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 16 | >250.00 | 0 | 0.000 | 10.112 | 18.768 | 27.185 |
| Chlorpropham | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.480 | 1.480 |
| Clopyralid | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 156 | 157 | >0 | 1 | 0.637 | 0.000 | 0.070 | 11.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 29.667 | 544.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 2.875 | 45.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.700 | < 4.400 | 11.900 |
| Conductivity | uS/cm 20 | AS | 156 | 156 | >2500 | 0 | 0.000 | 123.000 | 318.551 | 459.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.011 | 4.760 | 37.700 |
| Cyanide | ug CN/l | AS | 16 | 16 | >50 | 0 | 0.000 | < 2.100 | < 2.950 | 8.000 |
| Cypermethrum | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 16 | >1.500 | 0 | 0.000 | < 0.000 | < 4.077 | 64.870 |
| Flutriafol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | 0.000 | < 0.004 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.092 | 0.580 |
| Gamma-HCH (Lindane) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.280 | 7.981 | 8.510 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 1 | 4.167 | 17.999 | 65.908 | 247.390 |
| Isoproturon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | 0.080 | 0.584 | 1.890 |
| MCPA | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | 0.000 | 0.015 | 0.050 |
| Malathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.306 | < 4.908 | 25.890 |
| Mecoprop (MCCP) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.008 | 0.020 |
| Mercury | ug Hg/l | AS | 16 | 16 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 1.570 | 2.496 | 3.570 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.320 | 1.990 | 5.082 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 16 | 16 | >0.10 | 1 | 6.250 | < 0.008 | < 0.015 | 0.130 |
| Propetamphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.325 | 0.400 |
| Simazine | ug/l | AS | 16 | 16 | >0.100 | 0 | 0.000 | < 0.001 | < 0.004 | 0.011 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 24.809 | 41.885 | 76.655 |
| Sulphate | mg SO4/l | AS | 16 | 16 | >250 | 0 | 0.000 | < 0.000 | < 42.940 | 68.651 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 16 | 16 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 16 | 16 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.050 | 0.214 | 0.730 |
| Total Coliforms | MPN | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 16 | 16 | >0.100 | 0 | 0.000 | 0.000 | < 0.063 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 16 | | 0 | 0.000 | 0.640 | 2.455 | 4.080 |
| Total Pesticides | ug/l | AS | 16 | 16 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.064 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 150 | 0.000 | 40.600 | 86.450 | 131.300 |
| Trifluralin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 16 | 16 | >100.00 | 0 | 0.000 | 0.000 | < 11.250 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | < 0.010 | < 0.269 | 1.080 |
| op-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 10700

This zone has a surface water source :R1301

PCV Exceedences:

Sample failed 01-NOV-2005 (W1301OUT) Clostridium perfringens (sulph red) = 11 No./100.

Sample failed 01-NOV-2005 (Z112AE) Iron = 247.39 ug.

Sample failed 15-AUG-2005 (W1301OUT) Pentachlorophenol = 0.13 ug/l.

Notes:

PCV = Prescribed Concentration or Value

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S = Standard Sampling Frequency

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Water Supply Zone - Z113 - Moyola
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 0 | 0.000 | < 9.000 | < 63.250 | 141.000 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.022 | 0.191 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.318 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.353 | 0.800 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.009 | 0.014 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.525 | 0.900 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | 11.000 | 15.625 | 18.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.022 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 21.018 | 24.656 | 27.185 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.410 | 1.500 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 104 | 104 | >0 | 1 | 0.962 | 0.000 | 0.106 | 11.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 51.278 | 1200.00 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 1.722 | 23.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 1.100 | < 4.400 | 11.300 |
| Conductivity | uS/cm 20 | AS | 104 | 104 | >2500 | 0 | 0.000 | 155.000 | 400.817 | 459.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.002 | < 1.014 | 7.800 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 3.200 | 8.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 84 | 84 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 8.137 | 64.870 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.004 | < 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 84 | 84 | | 0 | 0.000 | 0.000 | 0.278 | 0.920 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 7.440 | 8.127 | 8.810 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 1 | 2.778 | 7.000 | 55.395 | 478.950 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.070 | < 0.476 | 1.130 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.010 | 0.016 | 0.030 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.352 | < 3.732 | 14.564 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.010 | 0.011 | 0.020 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 2.490 | 2.901 | 3.740 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.665 | 3.103 | 5.628 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 1 | 12.500 | < 0.008 | < 0.023 | 0.130 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.338 | 0.500 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.008 | 0.011 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 4.416 | 60.801 | 164.052 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | < 0.000 | < 48.328 | 68.651 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | MPN | S | 84 | 84 | >0 | 0 | 0.000 | 0.050 | 0.444 | 1.030 |
| Total Coliforms | MPN | S | 84 | 84 | >0 | 1 | 1.190 | 0.000 | 0.012 | 1.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | 0.640 | 3.018 | 4.080 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.053 | 0.064 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 150 | 0.000 | 42.700 | 81.358 | 116.400 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | < 0.010 | < 0.211 | 1.580 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 34000

This zone has a surface water source :R1301

PCV Exceedences:

Sample failed 01-NOV-2005 (W1301OUT) Clostridium perfringens (sulph red) = 11 No./100.
 Sample failed 07-FEB-2005 (Z113AE) Iron = 479 ug Fe/.
 Sample failed 15-AUG-2005 (W1301OUT) Pentachlorophenol = 0.13 ug/l.
 Sample failed 08-FEB-2005 (Z113AE) Total Coliforms = 1 No./100m.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z115 - Rathlin
: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 4 | 4 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 4 | 4 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 4 | 4 | >200.0 | 0 | 0.000 | < 7.000 | < 11.000 | 15.000 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.009 | 0.037 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.323 | 0.600 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | 0.100 | 0.225 | 0.400 |
| Asulam | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Azinphos methyl | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 4 | 4 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.450 | 0.600 |
| Boron | ug B/l | AS | 4 | 4 | >1000.0 | 0 | 0.000 | 34.000 | 35.500 | 38.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 3 | 75.000 | 6.300 | 14.450 | 21.100 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.012 | < 0.012 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 4 | 4 | >250.00 | 0 | 0.000 | 68.400 | 74.213 | 81.380 |
| Chlorpropham | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | < 0.120 | < 0.655 | 1.260 |
| Clopyralid | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 4 | 4 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.250 | 1.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | <0 | < 0.975 | 3.700 |
| Conductivity | uS/cm 20 | AS | 4 | 4 | >2500 | 0 | 0.000 | 483.000 | 492.500 | 508.000 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | < 0.003 | < 0.905 | < 3.600 |
| Cyanide | ug CN/l | AS | 4 | 4 | >50 | 0 | 0.000 | < 2.100 | < 2.575 | 4.000 |
| Cypermethrum | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.011 |
| Diazinon | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorbenil | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 4 | 4 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 4 | 5 | >1.500 | 0 | 0.000 | < 0.000 | < 0.132 | 0.614 |
| Flutriafol | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.323 | 1.830 |
| Gamma-HCH (Lindane) | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 4 | 4 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 4 | 4 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 8.580 | 8.645 | 8.710 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 0 | 0.000 | < 1.000 | < 12.890 | 22.355 |
| Isoproturon | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 5 | >25.0 | 0 | 0.000 | < 0.060 | < 0.130 | < 0.300 |
| MCPA | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 0 | 0.000 | < 1.117 | < 2.317 | 4.851 |
| Mecoprop (MCCP) | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 4 | 4 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.500 | < 0.540 | 0.660 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | < 0.000 | < 0.061 | 0.101 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z115 - Rathlin
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|---------------------------------|-------------------|---|---------------------------------------|-----|----------|---|---|---|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.300 | < 0.475 | 0.700 |
| Simazine | ug/l | AS | 4 | 4 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 4 | 4 | >200.00 | 0 | 0.000 | 13.595 | 106.570 | 193.603 |
| Sulphate | mg SO4/l | AS | 4 | 5 | >250 | 0 | 0.000 | 16.132 | 17.325 | 19.048 |
| Taste | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 4 | 4 | >10.00 | 1 | 25.000 | < 0.200 | < 4.300 | 16.600 |
| Tetrachloromethane | ug/l | AS | 4 | 4 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | ug/l | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.351 | 1.850 |
| Total Coliforms | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 4 | 4 | >0.100 | 0 | 0.000 | < 0.050 | < 0.075 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 4 | 6 | | 0 | 0.000 | 1.220 | 1.277 | 1.390 |
| Total Pesticides | ug/l | AS | 4 | 4 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 4 | 4 | >100.0 | 0 | 0.000 | 29.400 | 46.475 | 72.000 |
| Trifluralin | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 4 | 4 | >100.00 | 0 | 0.000 | < 10.000 | < 10.000 | < 10.000 |
| Turbidity | NTU | S | 4 | 4 | >4.00 | 0 | 0.000 | < 0.050 | < 0.213 | 0.590 |
| op-DDT | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 4 | 4 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 127

This zone has a surface water source :R1706

PCV Exceedences:

Sample failed 31-MAY-2005 (Z115AE) Bromate = 12.80 ug/l.

Sample failed 08-SEP-2005 (Z115AE) Bromate = 21.10 ug/l.

Sample failed 28-NOV-2005 (Z115AE) Bromate = 17.60 ug/l.

Sample failed 25-APR-2005 (W1706OUT) Tetrachloroethene/Trichloroethene - Sum = 16.60 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z116 - Unagh
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 16 | 16 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 9.000 | < 49.083 | 108.000 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 1 | 4.167 | < 0.000 | < 0.042 | 0.562 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.219 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.230 | 0.400 |
| Asulam | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.005 | 0.014 |
| Azinphos methyl | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 16 | 16 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.500 |
| Boron | ug B/l | AS | 16 | 16 | >1000.0 | 0 | 0.000 | < 6.000 | < 11.375 | 18.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 2 | 25.000 | < 0.600 | < 3.125 | 10.700 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.022 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 16 | >250.00 | 0 | 0.000 | 10.112 | 18.768 | 27.185 |
| Chlorpropham | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.366 | 1.230 |
| Clopyralid | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 156 | 157 | >0 | 1 | 0.637 | 0.000 | 0.070 | 11.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 8.125 | 173.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.667 | 14.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 3.025 | 14.900 |
| Conductivity | uS/cm 20 | AS | 156 | 156 | >2500 | 0 | 0.000 | 123.000 | 318.551 | 459.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.006 | 1.399 | 9.700 |
| Cyanide | ug CN/l | AS | 16 | 16 | >50 | 0 | 0.000 | < 2.100 | < 2.950 | 8.000 |
| Cypermethrum | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 36 | 37 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 16 | >1.500 | 0 | 0.000 | < 0.000 | < 4.077 | 64.870 |
| Flutriafol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | 0.000 | < 0.004 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.156 | 0.490 |
| Gamma-HCH (Lindane) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.000 | 7.851 | 8.430 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 4.945 | < 43.021 | 193.170 |
| Isoproturon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | 0.130 | 0.936 | 3.490 |
| MCPA | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | 0.000 | 0.015 | 0.050 |
| Malathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.651 | < 2.719 | 5.275 |
| Mecoprop (MCP) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.008 | 0.020 |
| Mercury | ug Hg/l | AS | 16 | 16 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.730 | 1.511 | 1.970 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 1.024 | 2.220 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z116 - Unagh
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 16 | 16 | | 1 | 6.250 | < 0.008 | < 0.015 | 0.130 |
| Propetamphos | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.001 | < 0.004 | 0.011 |
| Sodium | mg Na/l | S | 8 | 8 | | 0 | 0.000 | 8.143 | 19.048 | 37.297 |
| Sulphate | mg SO4/l | AS | 16 | 16 | | 0 | 0.000 | < 0.000 | < 42.940 | 68.651 |
| Taste | Diln No | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | ug/l | S | 36 | 36 | | 0 | 0.000 | 0.050 | 0.253 | 0.580 |
| Total Coliforms | MPN | S | 36 | 37 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 16 | 16 | | 0 | 0.000 | 0.000 | < 0.063 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 16 | | 0 | 0.000 | 0.640 | 2.455 | 4.080 |
| Total Pesticides | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.050 | < 0.051 | 0.064 |
| Total Trihalomethanes | ug/l | S | 12 | 13 | 150 | 0 | 0.000 | 35.300 | 72.946 | 116.300 |
| Trifluralin | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 16 | 16 | | 0 | 0.000 | 0.000 | < 11.250 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | | 0 | 0.000 | < 0.010 | < 0.138 | 0.630 |
| op-DDT | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 16 | 16 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13700

This zone has a surface water source :R1301

PCV Exceedences:

Sample failed 30-AUG-2005 (Z116AE) Ammonium = 0.56 mg NH.

Sample failed 16-MAY-2005 (Z116AE) Bromate = 10.70 ug/l.

Sample failed 06-JUN-2005 (Z116AE) Bromate = 10.70 ug/l.

Sample failed 01-NOV-2005 (W1301OUT) Clostridium perfringens (sulph red) = 11 No./100.

Sample failed 15-AUG-2005 (W1301OUT) Pentachlorophenol = 0.13 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z201 - Altmore
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 13 | >200.0 | 300 | 0 | 0.000 | < 23.346 | 51.000 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.026 | 0.046 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.193 | 0.200 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.120 | < 0.230 | 0.300 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.028 | 0.080 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 7.000 | < 11.750 | 28.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | 0.000 | < 0.009 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 14.814 | 18.494 | 22.100 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | < 0.120 | < 0.360 | 0.660 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.500 | 2.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | 2.100 | 8.815 | 19.000 |
| Conductivity | uS/cm 20 | AS | 24 | 24 | >2500 | 0 | 0.000 | 187.000 | 328.908 | 623.600 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 4.900 | 7.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.031 | 0.156 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.080 | 0.750 | 2.400 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.005 | 0.010 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 7.710 | 7.905 | 8.100 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 0 | 0.000 | 12.200 | 22.800 | 39.000 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 4 | >25.0 | 0 | 0.000 | < 0.000 | < 1.313 | 3.750 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.012 | 0.030 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 2 | 50.000 | 4.600 | 44.250 | 88.600 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.500 | < 0.905 | 1.320 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | 1.091 | 1.872 | 2.968 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z201 - Altmore
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 8 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.002 | 0.005 |
| Sodium | mg Na/l | S | 4 | >200.00 | | 0 | 0.000 | 7.757 | 9.556 | 12.004 |
| Sulphate | mg SO4/l | AS | 8 | >250 | | 0 | 0.000 | 13.167 | 47.417 | 95.074 |
| Taste | Diln No | S | 4 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.225 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 8 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | | | 0 | 0.000 | 0.160 | 0.873 | 2.600 |
| Total Coliforms | No./100ml | S | 12 | >0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.075 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | | | 0 | 0.000 | 1.180 | 2.665 | 4.490 |
| Total Pesticides | ug/l | AS | 8 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.054 | 0.083 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 200 | 0 | 0.000 | 6.400 | 78.469 | 143.700 |
| Trifluralin | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | >100.00 | | 0 | 0.000 | < 10.000 | < 17.500 | < 40.000 |
| Turbidity | NTU | S | 4 | >4.00 | | 0 | 0.000 | 0.140 | 0.748 | 1.450 |
| op-DDT | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 1900

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 14-FEB-2005 (Z201AE) Manganese = 67 ug Mn/l.

Sample failed 09-MAY-2005 (Z201AE) Manganese = 89 ug Mn/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z202 - Altmore-Gortlenaghan
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 16 | 17 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 300 | 0 | 0.000 | < 26.892 | 263.200 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.017 | 0.076 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.409 | 0.900 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.625 | 0.900 |
| Asulam | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.024 | 0.080 |
| Atrazine | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.001 |
| Azinphos methyl | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 16 | 17 | >1.00 | 0 | 0.000 | < 0.050 | < 0.053 | < 0.100 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.500 | 1.000 |
| Boron | ug B/l | AS | 16 | 16 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.750 | 29.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 17 | >250.00 | 0 | 0.000 | 14.814 | 17.535 | 22.100 |
| Chlorpropham | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.244 | 0.460 |
| Clopyralid | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 43.875 | 900.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 19.125 | 416.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 3.669 | 16.000 |
| Conductivity | uS/cm 20 | AS | 48 | 47 | >2500 | 0 | 0.000 | 187.000 | 396.640 | 623.600 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.007 | 0.682 | 5.300 |
| Cyanide | ug CN/l | AS | 16 | 16 | >50 | 0 | 0.000 | 2.000 | 3.606 | 7.000 |
| Cypermethrum | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 16 | >1.500 | 0 | 0.000 | < 0.000 | < 10.459 | 166.469 |
| Flutriafol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 48 | 49 | | 0 | 0.000 | 0.070 | 0.756 | 2.700 |
| Gamma-HCH (Lindane) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Heptachlor epoxide | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.330 | 7.890 | 9.250 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 3 | 12.500 | < 3.500 | < 65.579 | 273.500 |
| Isoproturon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.610 | 2.230 |
| MCPA | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | 0.000 | 0.008 | 0.030 |
| Malathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | 1.200 | 17.500 | 47.500 |
| Mecoprop (MCP) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 16 | 16 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.923 | 1.670 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.148 | 2.863 | 5.562 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four subst | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z202 - Altmore-Gortlenaghan
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.575 | 1.400 |
| Simazine | ug/l | AS | 16 | 16 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | 0.005 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 9.590 | 12.967 | 14.811 |
| Sulphate | mg SO4/l | AS | 16 | 16 | >250 | 0 | 0.000 | 13.167 | 34.692 | 95.074 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 16 | 17 | >10.00 | 0 | 0.000 | < 0.200 | < 0.235 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 16 | 17 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 48 | 49 | | 0 | 0.000 | 0.130 | 0.932 | 2.830 |
| Total Coliforms | No./100ml | S | 48 | 48 | >0 | 1 | 2.083 | 0.000 | 0.042 | 2.000 |
| Total Indicative Dose | mSv/year | AS | 16 | 16 | >0.100 | 0 | 0.000 | < 0.050 | < 0.075 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 16 | | 0 | 0.000 | 1.100 | 1.928 | 4.490 |
| Total Pesticides | ug/l | AS | 16 | 16 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.052 | 0.083 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 200 | 0.000 | 38.500 | 86.333 | 152.700 |
| Trifluralin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 16 | 16 | >100.00 | 0 | 0.000 | < 10.000 | < 17.500 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.120 | 0.445 | 1.180 |
| op-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 19600

This zone has a surface water source :R2501

PCV Exceedences:

Sample failed 10-MAR-2005 (Z202AE) Iron = 209 ug Fe/.
 Sample failed 24-AUG-2005 (Z202AE) Iron = 274 ug Fe/.
 Sample failed 31-OCT-2005 (Z202AE) Iron = 246 ug Fe/.
 Sample failed 28-JAN-2005 (Z202AE) 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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z203 - Babylon Hill

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 4 | 5 | >200.0 | 0 | 0.000 | < 0.000 | < 7.020 | 17.600 |
| Ammonium | mg NH4/l | S | 4 | 5 | >0.50 | 0 | 0.000 | < 0.000 | < 0.006 | 0.026 |
| Antimony | ug Sb/l | S | 4 | 5 | >5.0 | 0 | 0.000 | < 0.170 | < 0.242 | 0.400 |
| Arsenic | ug As/l | S | 4 | 5 | >10.0 | 0 | 0.000 | 0.200 | 0.660 | 0.900 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 5 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 4 | 5 | >10.00 | 0 | 0.000 | < 0.600 | < 1.540 | 5.300 |
| Cadmium | ug Cd/l | S | 4 | 5 | >5.0 | 0 | 0.000 | < 0.012 | < 0.012 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 5 | >50 | 0 | 0.000 | < 0.120 | < 0.298 | 0.600 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 52.800 | 212.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 3.200 | 13.000 |
| Colour | mg/l Pt/C | S | 4 | 5 | >20.00 | 0 | 0.000 | 3.200 | 6.508 | 11.520 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 4 | 5 | >2.000 | 0 | 0.000 | 0.010 | 5.135 | 25.600 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectmg | Cl/l | S | 12 | 11 | | 0 | 0.000 | 0.040 | 0.186 | 0.580 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 5 | 9.50 | 0 | 0.000 | 7.400 | 7.586 | 7.810 |
| Iron | ug Fe/l | S | 4 | 5 | >200 | 0 | 0.000 | < 7.900 | < 21.920 | 43.000 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 5 | >25.0 | 0 | 0.000 | < 0.000 | < 0.550 | < 1.150 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 5 | >50.0 | 0 | 0.000 | < 0.000 | < 5.360 | 13.400 |
| Mecoprop (MCCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 5 | >20.00 | 0 | 0.000 | 1.310 | 1.592 | 2.010 |
| Nitrate | mg NO3/l | S | 4 | 5 | >50.00 | 0 | 0.000 | 1.286 | 3.074 | 7.167 |
| Nitrite | mg NO2/l | S | 4 | 5 | >0.500 | 0 | 0.000 | < 0.000 | < 0.005 | 0.026 |
| Odour | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 4 | 5 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z203 - Babylon Hill
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 5 | >10.0 | 0 | 0.000 | < 0.300 | < 0.360 | 0.600 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 4 | 5 | >200.00 | 0 | 0.000 | 13.561 | 14.131 | 15.138 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 12 | 11 | | 0 | 0.000 | 0.060 | 0.385 | 1.100 |
| Total Coliforms | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 200 | 0.000 | 50.200 | 103.250 | 156.300 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 4 | 5 | >4.00 | 0 | 0.000 | 0.150 | 0.330 | 0.470 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 2600

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z204 - Ballintemple

: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 0 | 0.000 | < 0.000 | < 31.533 | 126.000 |
| Ammonium | mg NH4/l | S | 12 | 12 | >0.50 | 0 | 0.000 | < 0.000 | < 0.005 | 0.020 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.313 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.568 | 1.000 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.004 | 0.008 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 6.000 | < 10.125 | 14.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.650 | 8.900 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.017 | 0.084 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 15.448 | 18.066 | 19.766 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.443 | 1.100 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 11.000 | 124.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 47.667 | 520.000 |
| Colour | mg/l Pt/C | S | 12 | 12 | >20.00 | 0 | 0.000 | < 0.000 | < 4.113 | 12.710 |
| Conductivity | uS/cm 20 | AS | 24 | 24 | >2500 | 0 | 0.000 | < 7.300 | <156.054 | 194.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.002 | < 0.254 | < 2.000 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 4.425 | 12.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.012 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.012 | < 9.667 | 76.703 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 24 | 22 | | 0 | 0.000 | 0.140 | 0.626 | 1.500 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 12 | 12 | 9.50 | 0 | 0.000 | 7.270 | 7.493 | 8.100 |
| Iron | ug Fe/l | S | 12 | 12 | >200 | 0 | 0.000 | < 4.100 | < 30.125 | 168.600 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 1.166 | 2.070 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.006 | 0.030 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 12 | 12 | >50.0 | 0 | 0.000 | < 0.000 | < 6.742 | 19.900 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.588 | 5.880 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 1.538 | 3.535 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z204 - Ballintemple
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.010 | 0.030 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.441 | 0.800 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.004 | 0.006 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 9.601 | 11.254 | 14.344 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 4.844 | 10.299 | 14.085 |
| Taste | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.213 | 0.300 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 24 | 22 | | 0 | 0.000 | 0.320 | 0.817 | 1.730 |
| Total Coliforms | No./100ml | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.063 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 3.100 | 3.610 | 4.810 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 1 | 12.500 | 46.600 | 72.238 | 100.400 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 10.000 | < 10.000 |
| Turbidity | NTU | S | 12 | 12 | >4.00 | 0 | 0.000 | 0.130 | 0.397 | 1.420 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 9600

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 15-MAR-2005 (Z204AE) Total Trihalomethanes = 100.4 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z205 - Ballydougan

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 52 | >200.0 | 0 | 0.000 | < 0.000 | < 13.479 | 130.100 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.028 | 0.111 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.368 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.713 | 1.000 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.438 | 0.600 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.025 | 4.000 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.233 | 0.700 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 50.654 | 2090.00 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 14.250 | 219.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | 1.100 | 7.147 | 19.640 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 41.509 | 283.500 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 132 | 132 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 132 | 130 | | 0 | 0.000 | 0.020 | 0.352 | 1.150 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 6.950 | 7.555 | 8.500 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 0.400 | < 37.277 | 175.700 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.555 | 2.020 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 6.215 | 44.300 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.510 | 2.830 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 2.273 | 6.104 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z205 - Ballydougan
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.388 | 0.600 |
| Simazine | ug/l | AS | 24 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 8 | >200.00 | | 0 | 0.000 | 11.680 | 13.758 | 14.940 |
| Sulphate | mg SO4/l | AS | 24 | >250 | | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 52 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 24 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 132 | 130 | | 0 | 0.000 | 0.021 | 0.538 | 1.430 |
| Total Coliforms | No./100ml | S | 132 | 132 | | 1 | 0.758 | 0.000 | 0.008 | 1.000 |
| Total Indicative Dose | mSv/year | AS | 24 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 24 | >100.0 | 200 | 0 | 0.000 | 39.800 | 99.064 | 171.600 |
| Trifluralin | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | >100.00 | | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 52 | >4.00 | | 0 | 0.000 | 0.080 | 0.363 | 1.530 |
| op-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 51600

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 04-FEB-2005 (Z205AE) Total Coliforms = 1 No./100m.

Notes:

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

Water Supply Zone - Z206 - Ballyhannon
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 0.000 | < 15.654 | 124.100 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.023 | 0.083 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.405 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.690 | 1.100 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.500 | 1.200 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.925 | 3.200 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.033 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.356 | 0.990 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 1.292 | 23.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.833 | 12.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.470 | < 5.258 | 16.400 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.004 | < 0.623 | 4.900 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 72 | 72 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 72 | 72 | | 0 | 0.000 | 0.020 | 0.353 | 1.220 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.270 | 7.598 | 7.900 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 5.500 | < 25.438 | 132.200 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 1 | 12.500 | < 0.000 | < 7.019 | 52.560 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 4.404 | 17.200 |
| Mecoprop (MCCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.988 | 6.740 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.307 | 2.894 | 5.992 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z206 - Ballyhannon
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.375 | 0.700 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 13.355 | 14.175 | 14.836 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 72 | 72 | | 0 | 0.000 | 0.020 | 0.527 | 2.040 |
| Total Coliforms | No./100ml | S | 72 | 72 | >0 | 1 | 1.389 | 0.000 | 0.042 | 3.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | 13 | >100.0 | 200 | 0.000 | 48.600 | 88.977 | 128.400 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.080 | 0.293 | 0.770 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 25800

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 08-JUN-2005 (Z206AE) Lead = 53 ug Pb/l.
 Sample failed 15-JUN-2005 (Z206AE) Total Coliforms = 3 No./100m.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z207 - Banbridge

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 0.000 | < 24.058 | 114.600 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.017 | 0.125 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.343 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.500 | 0.750 | 1.300 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.600 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.025 | 4.000 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.023 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.333 | 0.690 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 10.417 | 151.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.083 | 1.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 6.180 | 17.400 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 3.874 | 25.900 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 60 | 60 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectmg | Cl/l | S | 60 | 60 | | 0 | 0.000 | 0.020 | 0.299 | 1.480 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.080 | 7.544 | 7.850 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 6.000 | < 23.750 | 66.800 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.190 | < 1.144 | 3.170 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 4.354 | 16.900 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.079 | 1.680 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.071 | 2.603 | 5.102 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z207 - Bambridge

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.350 | 0.600 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 5.289 | 12.115 | 13.957 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 60 | 60 | | 0 | 0.000 | 0.020 | 0.484 | 2.370 |
| Total Coliforms | No./100ml | S | 60 | 60 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 200 | 0.000 | 50.900 | 120.158 | 180.900 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.110 | 0.292 | 0.520 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 22100

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z208 - Castor Bay

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 0.000 | < 7.096 | 29.700 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.019 | 0.074 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.418 | 0.800 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.790 | 1.300 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.600 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.900 | 3.000 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.020 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.308 | 1.010 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 2.583 | 39.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 10.208 | 171.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 1 | 4.167 | 0.810 | 7.983 | 35.100 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.002 | < 2.426 | 19.100 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.040 | 0.405 | 1.200 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.300 | 7.535 | 8.400 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 2 | 8.333 | < 1.100 | < 47.750 | 409.000 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.060 | < 1.203 | 3.720 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 7.813 | 33.200 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.860 | 1.805 | 3.330 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.126 | 3.122 | 5.539 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z208 - Castor Bay
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.388 | 0.500 |
| Simazine | ug/l | AS | 24 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 8 | >200.00 | | 0 | 0.000 | 11.318 | 13.494 | 14.416 |
| Sulphate | mg SO4/l | AS | 24 | >250 | | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 24 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg/l | S | 36 | | | 0 | 0.000 | 0.060 | 0.553 | 1.200 |
| Total Coliforms | No./100ml | S | 36 | >0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 200 | 0 | 0.000 | 52.500 | 110.200 | 161.200 |
| Trifluralin | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | >100.00 | | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 24 | >4.00 | | 0 | 0.000 | 0.100 | 0.352 | 0.950 |
| op-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13000

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 31-MAY-2005 (Z208AE) Colour = 35.1 mg/l.
 Sample failed 13-OCT-2005 (Z208AE) Iron = 409 ug Fe/.
 Sample failed 20-OCT-2005 (Z208AE) Iron = 359 ug Fe/.

Notes:

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

Water Supply Zone - Z209 - Castor Bay-Shanmoy
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 0.000 | < 12.900 | 130.500 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.026 | 0.116 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.393 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.700 | 1.000 |
| Asulam | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.009 | 0.023 |
| Azinphos methyl | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 32 | 33 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 32 | 33 | >1000.0 | 0 | 0.000 | < 7.000 | < 19.212 | 28.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.022 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 32 | 33 | >250.00 | 0 | 0.000 | 1.594 | 24.009 | 30.020 |
| Chlorpropham | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.391 | 0.970 |
| Clopyralid | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 336 | 336 | >0 | 16 | 4.762 | 0.000 | 0.068 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 4.792 | 61.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 9.667 | 231.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 1 | 4.167 | < 0.000 | < 4.505 | 31.800 |
| Conductivity | uS/cm 20 | AS | 336 | 334 | >2500 | 0 | 0.000 | 102.500 | 324.603 | 683.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.006 | 1.762 | 13.900 |
| Cyanide | ug CN/l | AS | 32 | 33 | >50 | 0 | 0.000 | 2.000 | 4.227 | 14.000 |
| Cypermethrum | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 60 | 60 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 32 | 32 | >1.500 | 0 | 0.000 | < 0.000 | < 9.899 | 85.011 |
| Flutriafol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 60 | 60 | | 0 | 0.000 | 0.100 | 0.613 | 1.600 |
| Gamma-HCH (Lindane) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.220 | 7.515 | 8.190 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 0.000 | < 19.338 | 187.300 |
| Isoproturon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.603 | 2.170 |
| MCPA | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.010 |
| Malathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 1 | 4.167 | < 0.000 | < 14.404 | 227.400 |
| Mecoprop (MCP) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | 0.000 | 0.006 | 0.020 |
| Mercury | ug Hg/l | AS | 32 | 33 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.705 | 3.430 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 2.869 | 4.279 | 6.134 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z209 - Castor Bay-Shanmoy
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.563 | 0.800 |
| Simazine | ug/l | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.001 | < 0.008 | 0.017 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 11.672 | 13.597 | 14.551 |
| Sulphate | mg SO4/l | AS | 32 | 32 | >250 | 0 | 0.000 | < 0.000 | < 24.604 | 56.252 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 32 | 33 | >10.00 | 0 | 0.000 | < 0.200 | < 0.215 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg/l | S | 60 | 60 | | 0 | 0.000 | 0.250 | 0.802 | 1.800 |
| Total Coliforms | No./100ml | S | 60 | 60 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.050 | < 0.070 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 32 | 33 | | 0 | 0.000 | < 0.000 | < 4.322 | 6.910 |
| Total Pesticides | ug/l | AS | 32 | 33 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 200 | 0.000 | 14.100 | 99.033 | 187.400 |
| Trifluralin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 32 | 33 | >100.00 | 0 | 0.000 | < 10.000 | < 14.545 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.040 | 0.344 | 3.100 |
| op-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 21300

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 25-APR-2005 (Z209AE) Colour = 31.8 mg/l.
 Sample failed 25-APR-2005 (Z209AE) Manganese = 227 ug Mn/.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z210 - Clay Lake

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 0 | 0.000 | < 0.000 | < 13.475 | 45.500 |
| Ammonium | mg NH4/l | S | 12 | 12 | >0.50 | 0 | 0.000 | < 0.000 | < 0.204 | 0.435 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.423 | 0.800 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.400 | 0.825 | 1.100 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.007 | 0.010 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.525 | 0.900 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | 12.000 | 15.750 | 24.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.050 | 3.200 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.030 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 22.708 | 26.508 | 37.312 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.564 | 1.360 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 12.667 | 150.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.750 | 6.000 |
| Colour | mg/l Pt/C | S | 12 | 12 | >20.00 | 3 | 25.000 | 9.410 | 15.263 | 22.000 |
| Conductivity | uS/cm 20 | AS | 24 | 24 | >2500 | 0 | 0.000 | 214.700 | 243.954 | 309.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.618 | 4.900 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 4.913 | 9.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.018 | 0.062 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 24 | 23 | | 0 | 0.000 | 0.020 | 0.337 | 1.050 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 12 | 12 | 9.50 | 0 | 0.000 | 7.030 | 7.361 | 7.650 |
| Iron | ug Fe/l | S | 12 | 12 | >200 | 0 | 0.000 | < 2.200 | < 43.767 | 92.400 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.010 | < 1.658 | 10.380 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 12 | 12 | >50.0 | 0 | 0.000 | < 0.000 | < 3.042 | 20.700 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 3.110 | 3.516 | 4.090 |
| Nitrate | mg NO3/l | S | 12 | 12 | >50.00 | 0 | 0.000 | 0.370 | 3.369 | 6.810 |
| Nitrite | mg NO2/l | S | 12 | 12 | >0.500 | 0 | 0.000 | < 0.000 | < 0.020 | 0.203 |
| Odour | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z210 - Clay Lake
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.004 | 0.008 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 10.818 | 14.337 | 16.898 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 15.536 | 18.268 | 19.326 |
| Taste | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 24 | 23 | | 0 | 0.000 | 0.030 | 0.452 | 1.100 |
| Total Coliforms | No./100ml | S | 24 | 24 | >0 | 1 | 4.167 | 0.000 | 0.208 | 5.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.075 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 0.650 | 6.070 | 7.240 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 7.100 | 39.300 | 88.600 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 12 | 12 | >4.00 | 0 | 0.000 | 0.160 | 0.437 | 1.170 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 8600

This zone has a surface water source :R2509

PCV Exceedences:

Sample failed 10-JAN-2005 (Z210AE) Colour = 20.1 mg/l.
 Sample failed 08-FEB-2005 (Z210AE) Colour = 22.0 mg/l.
 Sample failed 09-MAR-2005 (Z210AE) Colour = 20.2 mg/l.
 Sample failed 03-MAY-2005 (Z210AE) Total Coliforms = 5 No./100m.

Notes:

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

Water Supply Zone - Z211 - Pofanny-Ballymaconaghy
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|---------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 25 | >200.0 | 400 | 0 | 0.000 | 16.900 | 316.100 |
| Ammonium | mg NH4/l | S | 12 | 12 | >0.50 | 0 | 0.000 | < 0.000 | < 0.012 | 0.040 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.226 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.345 | 0.800 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.002 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | < 6.000 | < 6.667 | < 7.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.028 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 13.629 | 14.507 | 15.030 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.440 | 1.010 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 12 | 13 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 2.500 | 30.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.333 | 4.000 |
| Colour | mg/l Pt/C | S | 12 | 12 | >20.00 | 0 | 0.000 | < 0.200 | < 7.079 | 15.000 |
| Conductivity | uS/cm 20 | AS | 12 | 13 | >2500 | 0 | 0.000 | 75.000 | 93.458 | 194.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.003 | 0.016 |
| Cyanide | ug CN/l | AS | 8 | 9 | >50 | 0 | 0.000 | 2.000 | 3.589 | 7.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 9.558 | 76.026 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.060 | 0.839 | 1.720 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 12 | 12 | 9.50 | 0 | 0.000 | 6.800 | 8.033 | 9.500 |
| Iron | ug Fe/l | S | 12 | 12 | >200 | 0 | 0.000 | 42.800 | 91.433 | 181.700 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.100 | < 1.429 | 7.550 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 12 | 12 | >50.0 | 0 | 0.000 | < 0.000 | < 4.258 | 9.500 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.601 | 1.030 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.400 | 0.895 | 1.595 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z211 - Pofanny-Ballymaconaghy
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 4.765 | 5.497 | 6.405 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 7.130 | 11.012 | 15.145 |
| Taste | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.160 | 1.073 | 2.300 |
| Total Coliforms | No./100ml | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 9 | | 0 | 0.000 | 2.730 | 3.414 | 4.740 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 56.100 | 119.625 | 148.300 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 12 | 12 | >4.00 | 0 | 0.000 | 0.230 | 0.692 | 3.700 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 8900

This zone has a surface water source :R2704

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z212 - Pofanny-Banbridge

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 48 | 48 | >200.0 | 400 | 0 | 0.000 | < 1.200 | <108.981 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.025 | 0.322 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.343 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.200 | 0.500 | 1.000 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.513 | 1.100 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.111 | 9.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.019 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 10 | >250.00 | 0 | 0.000 | 6.365 | 12.902 | 23.698 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.301 | 0.690 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 208 | 105 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 5.056 | 97.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 1.583 | 29.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 1 | 2.778 | 0.660 | 6.530 | 21.300 |
| Conductivity | uS/cm 20 | AS | 208 | 105 | >2500 | 0 | 0.000 | < 4.400 | <100.580 | 281.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.889 | 7.100 |
| Cyanide | ug CN/l | AS | 16 | 9 | >50 | 0 | 0.000 | < 2.100 | < 3.711 | 8.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | 0.020 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 84 | 84 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 10 | >1.500 | 0 | 0.000 | < 0.000 | < 9.405 | 54.887 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 84 | 84 | | 0 | 0.000 | < 0.010 | < 0.380 | 1.530 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 1 | 2.778 | 6.990 | 7.712 | 9.890 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 0 | 0.000 | < 3.700 | < 54.292 | 160.700 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.364 | < 0.800 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.000 | < 2.847 | 6.200 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.004 | < 0.008 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.109 | 3.300 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.021 | < 1.920 | 5.605 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.004 | 0.010 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z212 - Pofanny-Banbridge
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.325 | 0.400 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 4.683 | 7.131 | 13.852 |
| Sulphate | mg SO4/l | AS | 16 | 10 | >250 | 0 | 0.000 | 2.934 | 14.914 | 20.267 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 84 | 84 | | 0 | 0.000 | 0.020 | 0.539 | 2.040 |
| Total Coliforms | No./100ml | S | 84 | 84 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 10 | | 0 | 0.000 | 2.320 | 3.733 | 7.260 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 55.100 | 103.417 | 184.900 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | 0.100 | < 0.423 | < 0.880 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 31100

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 25-APR-2005 (Z212AE) Colour = 21.3 mg/l.

Sample failed 11-JAN-2005 (Z212AE) Hydrogen Ion = 9.9 pH val.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z213 - Fofanny-Newry

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|---------|
| | | | | | | | | Min. | Mean | Max. | |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 | |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 | |
| Aluminium | ug Al/l | S | 48 | 48 | >200.0 | 400 | 1 | 2.083 | < 0.000 | <101.035 | 419.100 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.027 | 0.287 | |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.314 | 0.600 | |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.200 | 0.600 | 1.300 | |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 | |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 | |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 | |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 | |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 | |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 | |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.111 | 9.000 | |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.063 | 4.300 | |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.023 | 0.100 | |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 | |
| Chloride | mg Cl/l | AS | 16 | 10 | >250.00 | 0 | 0.000 | 6.365 | 12.902 | 23.698 | |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 | |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 | |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.270 | 0.580 | |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 | |
| Clostridium perfringens | No./100 m | AS | 208 | 105 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 19.639 | 217.000 | |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 8.806 | 270.000 | |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 0.000 | < 6.797 | 17.120 | |
| Conductivity | uS/cm 20 | AS | 208 | 105 | >2500 | 0 | 0.000 | < 4.400 | <100.580 | 281.000 | |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.678 | 5.300 | |
| Cyanide | ug CN/l | AS | 16 | 9 | >50 | 0 | 0.000 | < 2.100 | < 3.711 | 8.000 | |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 | |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 | |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | 0.020 | |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 | |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 | |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 | |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 | |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 | |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 | |
| E Coli | No./100ml | S | 120 | 120 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 | |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 | |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 | |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 | |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 | |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 | |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 | |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 | |
| Fluoride | mg F/l | AS | 16 | 10 | >1.500 | 0 | 0.000 | < 0.000 | < 9.405 | 54.887 | |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 | |
| Free - Residual disinfectmg | Cl/l | S | 120 | 120 | | 0 | 0.000 | < 0.000 | < 0.653 | 1.720 | |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 | |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 | |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 | |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 | |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 | |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 6.580 | 7.637 | 9.000 | |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 0 | 0.000 | < 8.600 | < 58.914 | 140.900 | |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 | |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.050 | < 1.924 | 9.010 | |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 | |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 | |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.000 | < 5.139 | 20.400 | |
| Mecoprop (MCCP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.004 | < 0.008 | |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 | |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.005 | 3.360 | |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.691 | 2.401 | 7.447 | |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 | |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 | |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 | |

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 Water Supply Zone - Z213 - Fofanny-Newry
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.363 | 0.700 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | < 0.000 | < 7.414 | 14.328 |
| Sulphate | mg SO4/l | AS | 16 | 10 | >250 | 0 | 0.000 | 2.934 | 14.914 | 20.267 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 120 | 120 | | 0 | 0.000 | < 0.000 | < 0.806 | 1.830 |
| Total Coliforms | No./100ml | S | 120 | 120 | >0 | 1 | 0.833 | 0.000 | 0.008 | 1.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 10 | | 0 | 0.000 | 2.320 | 3.733 | 7.260 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 25 | >100.0 | 250 | 0.000 | 60.400 | 123.800 | 210.100 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 36 | 37 | >4.00 | 0 | 0.000 | 0.100 | 0.483 | 1.590 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 45900

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 18-MAR-2005 (Z213AE) Aluminium = 419 ug Al/.

Sample failed 18-MAR-2005 (Z213AE) Total Coliforms = 1 No./100m.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z214 - Lough Ross

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 1 | 4.167 | < 0.000 | < 36.075 | 302.500 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.031 | 0.156 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.389 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.828 | 1.200 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.003 | 0.006 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.500 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | 9.000 | 12.500 | 19.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.313 | 6.300 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.017 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 24.718 | 27.160 | 29.659 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.008 | 0.040 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.299 | 1.030 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 36 | 37 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 5.917 | 65.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 2.417 | 27.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 1 | 4.167 | 2.170 | 9.899 | 31.000 |
| Conductivity | uS/cm 20 | AS | 36 | 37 | >2500 | 0 | 0.000 | 211.000 | 239.905 | 281.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.001 | < 3.254 | 25.700 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 4.888 | 8.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.012 | 0.020 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.004 | 0.010 |
| E Coli | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.035 | 0.084 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.070 | 0.668 | 1.630 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 6.690 | 7.554 | 9.500 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 2 | 8.333 | < 9.900 | < 70.921 | 276.700 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 2.979 | 12.070 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.010 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 1 | 4.167 | < 0.000 | < 7.713 | 53.200 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.008 | 0.010 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.840 | 3.790 | 4.830 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 3.686 | 8.602 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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 Water Supply Zone - Z214 - Lough Ross
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.450 | 1.300 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.008 | 0.013 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 15.283 | 17.300 | 19.895 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 13.862 | 15.469 | 23.428 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | ug/l | S | 36 | 36 | >0 | 0 | 0.000 | 0.140 | 0.929 | 2.200 |
| Total Coliforms | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | 0.930 | 6.036 | 7.270 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.056 | 0.093 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 82.000 | 138.083 | 224.400 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 10.000 | < 10.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.150 | 0.633 | 2.000 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 14100

PCV Exceedences:

Sample failed 03-AUG-2005 (Z214AE) Aluminium = 303 ug Al/.
 Sample failed 09-AUG-2005 (Z214AE) Colour = 31.0 mg/l.
 Sample failed 17-MAY-2005 (Z214AE) Iron = 201 ug Fe/.
 Sample failed 13-JUN-2005 (Z214AE) Iron = 277 ug Fe/.
 Sample failed 09-AUG-2005 (Z214AE) Manganese = 53 ug Mn/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z215 - Lurgan
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 0 | 0.000 | < 0.000 | < 9.892 | 51.200 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.028 | 0.113 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.389 | 0.800 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.653 | 1.000 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.600 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.875 | 2.800 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.009 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.251 | 0.700 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 2.778 | 39.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 1.111 | 12.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | 1.300 | 6.688 | 17.900 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.002 | < 6.671 | 34.800 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 84 | 84 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 84 | 84 | | 0 | 0.000 | 0.020 | 0.390 | 1.500 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 6.940 | 7.533 | 7.880 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 0 | 0.000 | < 0.000 | < 27.231 | 99.400 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 1.206 | 5.630 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.000 | < 5.925 | 35.200 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.403 | 1.980 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.118 | 2.865 | 6.423 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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Water Supply Zone - Z215 - Lurgan
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.400 | 0.600 |
| Simazine | ug/l | AS | 24 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 8 | >200.00 | | 0 | 0.000 | 13.655 | 14.608 | 16.717 |
| Sulphate | mg SO4/l | AS | 24 | >250 | | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 36 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 24 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 84 | | | 0 | 0.000 | 0.090 | 0.607 | 1.630 |
| Total Coliforms | No./100ml | S | 84 | >0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 200 | 0 | 0.000 | 51.100 | 102.375 | 147.600 |
| Trifluralin | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | >100.00 | | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 36 | >4.00 | | 0 | 0.000 | 0.072 | 0.281 | 0.670 |
| op-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 30300

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z216 - Magheraliskmisk
: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------------------------------|--------------------------------|--------------------------------------|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 0.000 | < 12.088 | 105.300 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.024 | 0.090 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.434 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.600 | 0.913 | 1.200 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.888 | 2.900 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.023 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.314 | 0.970 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 1.833 | 25.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 5.375 | 120.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | 0.880 | 6.425 | 12.920 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.002 | < 1.319 | 10.500 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 60 | 60 | >0 | 1 | 1.667 | 0.000 | 0.017 | 1.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectmg | Cl/l | S | 60 | 60 | | 0 | 0.000 | < 0.010 | < 0.302 | 0.880 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.010 | 7.529 | 7.870 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 4.200 | < 23.025 | 83.500 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.549 | < 1.240 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 3.600 | 16.600 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.570 | 1.361 | 2.050 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.955 | 3.263 | 6.281 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z216 - Magheraliskmisk
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.400 | 0.600 |
| Simazine | ug/l | AS | 24 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 8 | >200.00 | | 0 | 0.000 | 13.382 | 14.163 | 15.211 |
| Sulphate | mg SO4/l | AS | 24 | >250 | | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 24 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 24 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 60 | | | 0 | 0.000 | 0.020 | 0.461 | 1.110 |
| Total Coliforms | No./100ml | S | 60 | >0 | | 1 | 1.667 | 0.000 | 0.017 | 1.000 |
| Total Indicative Dose | mSv/year | AS | 24 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 200 | 0 | 0.000 | 40.300 | 89.521 | 143.900 |
| Trifluralin | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | >100.00 | | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 24 | >4.00 | | 0 | 0.000 | 0.090 | 0.255 | 0.650 |
| op-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 24400

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 14-FEB-2005 (Z216AE) E.Coli = 1 No./100m.
 Sample failed 14-FEB-2005 (Z216AE) Total Coliforms = 1 No./100m.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z217 - Newry
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 40 | 41 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 40 | 41 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 37 | >200.0 | 400 | 1 | 2.703 | < 1.600 | <116.357 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.014 | 0.044 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.326 | 0.500 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.538 | 0.800 |
| Asulam | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.001 | < 0.008 | 0.023 |
| Azinphos methyl | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 40 | 41 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.475 | 1.000 |
| Boron | ug B/l | AS | 40 | 41 | >1000.0 | 0 | 0.000 | < 6.000 | < 13.610 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.023 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 48 | 42 | >250.00 | 0 | 0.000 | 1.594 | 20.337 | 30.020 |
| Chlorpropham | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.266 | 0.580 |
| Clopyralid | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 544 | 441 | >0 | 16 | 3.628 | 0.000 | 0.052 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 7.917 | 190.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.958 | 12.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 1 | 4.167 | 1.500 | 9.630 | 42.700 |
| Conductivity | uS/cm 20 | AS | 544 | 439 | >2500 | 0 | 0.000 | < 4.400 | <244.180 | 412.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 1.268 | 10.100 |
| Cyanide | ug CN/l | AS | 48 | 41 | >50 | 0 | 0.000 | 2.000 | 4.139 | 14.000 |
| Cypermethrum | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.020 |
| Dichlorobenil | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 40 | 41 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 48 | 42 | >1.500 | 0 | 0.000 | < 0.000 | < 7.956 | 85.011 |
| Flutriafol | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectmg | Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.040 | 0.626 | 1.480 |
| Gamma-HCH (Lindane) | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 40 | 41 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Heptachlor epoxide | ug/l | AS | 40 | 41 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 6.730 | 7.517 | 9.170 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 2 | 8.333 | < 0.000 | <101.392 | 974.100 |
| Isoproturon | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.526 | 2.300 |
| MCPA | ug/l | AS | 40 | 41 | >0.10 | 1 | 2.439 | 0.000 | 0.007 | 0.120 |
| Malathion | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 1 | 4.167 | < 0.000 | < 8.383 | 53.500 |
| Mecoprop (MCCP) | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | 0.000 | 0.008 | 0.050 |
| Mercury | ug Hg/l | AS | 40 | 41 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.081 | 2.990 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.163 | 1.941 | 6.255 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.014 | 0.330 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z217 - Newry
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|--------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 40 | 41 | >0.100 | 0 | 0.000 | < 0.001 | < 0.007 | 0.017 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | < 0.003 | < 6.453 | 11.669 |
| Sulphate | mg SO4/l | AS | 48 | 42 | >250 | 0 | 0.000 | < 0.000 | < 15.947 | 26.342 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.014 | 0.330 |
| Tecnazene | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichl | ug/l | AS | 40 | 41 | >10.00 | 0 | 0.000 | < 0.200 | < 0.207 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 40 | 41 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.100 | 0.789 | 1.540 |
| Total Coliforms | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 40 | 41 | >0.100 | 0 | 0.000 | < 0.050 | < 0.071 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 48 | 43 | | 0 | 0.000 | < 0.000 | < 4.269 | 7.260 |
| Total Pesticides | ug/l | AS | 40 | 41 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.053 | 0.140 |
| Total Trihalomethanes | ug/l | S | 12 | 13 | >100.0 | 250 | 0 | 0.000 | 50.800 | 121.946 |
| Trifluralin | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 40 | 41 | >100.00 | 0 | 0.000 | < 10.000 | < 13.659 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.150 | 0.620 | 4.000 |
| op-DDT | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 40 | 41 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13100

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-JAN-2005 (Z217AE) Aluminium = 931 ug Al/.
 Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 17-JAN-2005 (Z217AE) Colour = 42.7 mg/l.
 Sample failed 17-JAN-2005 (Z217AE) Iron = 974 ug Fe/.
 Sample failed 17-JUN-2005 (Z217AE) Iron = 221 ug Fe/.
 Sample failed 24-OCT-2005 (W2706OUT) MCPA = 0.12 ug/l.
 Sample failed 17-JAN-2005 (Z217AE) Manganese = 54 ug Mn/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z218 - Richhill

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 4 | 5 | >200.0 | 0 | 0.000 | < 0.000 | < 11.860 | 27.900 |
| Ammonium | mg NH4/l | S | 4 | 5 | >0.50 | 0 | 0.000 | < 0.000 | < 0.024 | 0.051 |
| Antimony | ug Sb/l | S | 4 | 5 | >5.0 | 0 | 0.000 | < 0.170 | < 0.328 | 0.500 |
| Arsenic | ug As/l | S | 4 | 5 | >10.0 | 0 | 0.000 | < 0.120 | < 0.524 | 0.800 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.012 | 0.023 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 5 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.420 | 0.500 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.333 | 25.000 |
| Bromate | ug/l | S | 4 | 5 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 4 | 5 | >5.0 | 0 | 0.000 | 0.000 | < 0.007 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 1.594 | 24.587 | 30.020 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 5 | >50 | 0 | 0.000 | < 0.120 | < 0.230 | 0.340 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 312 | 312 | >0 | 16 | 5.128 | 0.000 | 0.074 | 3.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 8.200 | 41.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 2.000 | 9.000 |
| Colour | mg/l Pt/C | S | 4 | 5 | >20.00 | 1 | 20.000 | 3.000 | 9.378 | 20.200 |
| Conductivity | uS/cm 20 | AS | 312 | 310 | >2500 | 0 | 0.000 | 102.500 | 298.155 | 412.000 |
| Copper | mg Cu/l | S | 4 | 5 | >2.000 | 0 | 0.000 | 0.006 | 2.435 | 12.100 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.825 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 9.999 | 85.011 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.070 | 0.437 | 0.910 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 5 | 9.50 | 0 | 0.000 | 7.400 | 7.522 | 7.750 |
| Iron | ug Fe/l | S | 4 | 5 | >200 | 0 | 0.000 | < 6.300 | < 16.280 | 27.600 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 5 | >25.0 | 0 | 0.000 | < 0.270 | < 2.122 | 6.030 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 5 | >50.0 | 0 | 0.000 | < 0.000 | < 6.860 | 14.300 |
| Mecoprop (MCCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 5 | >20.00 | 0 | 0.000 | 1.390 | 1.674 | 2.200 |
| Nitrate | mg NO3/l | S | 4 | 5 | >50.00 | 0 | 0.000 | 1.382 | 2.664 | 5.808 |
| Nitrite | mg NO2/l | S | 4 | 5 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 5 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z218 - Richhill

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 5 | >10.0 | 0 | 0.000 | < 0.300 | < 0.360 | 0.600 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.011 | 0.017 |
| Sodium | mg Na/l | S | 4 | 5 | >200.00 | 0 | 0.000 | 13.745 | 14.528 | 16.455 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 14.971 | 17.356 |
| Taste | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.213 | < 0.400 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.210 | 0.583 | 0.980 |
| Total Coliforms | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | < 0.000 | < 5.122 | 6.910 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.062 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 200 | 0.000 | 48.000 | 107.900 | 160.400 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 4 | 5 | >4.00 | 0 | 0.000 | 0.110 | 0.438 | 0.940 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4300

This zone has a surface water source :R2308

PCV Exceedences:

Sample failed 17-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-FEB-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 01-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 04-APR-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 07-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 08-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 09-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-DEC-2005 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 09-JUN-2005 (Z218AE) Colour = 20.2 mg/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z219 - Seagahan
: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|----------------------------|-------------------|---|---------------------------------------|-----|---|---|---|---------|----------|---------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 0 | 0.000 | < 0.000 | < 11.639 | 26.600 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.025 | 0.218 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.305 | 0.500 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.600 | 0.813 | 1.000 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.004 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.438 | 0.700 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | 9.000 | 10.556 | 13.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 1 | 12.500 | < 0.600 | < 2.000 | 11.800 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.019 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 21.568 | 25.197 | 27.819 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.485 | 1.400 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 52 | 51 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 8.250 | 108.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 8.222 | 127.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | 0.720 | 9.615 | 16.860 |
| Conductivity | uS/cm 20 | AS | 52 | 51 | >2500 | 0 | 0.000 | 208.400 | 245.110 | 330.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.003 | < 1.076 | 8.400 |
| Cyanide | ug CN/l | AS | 8 | 9 | >50 | 0 | 0.000 | 3.000 | 5.556 | 9.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | 0.020 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 96 | 96 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 9 | >1.500 | 0 | 0.000 | < 0.000 | < 17.918 | 121.862 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 96 | 96 | | 0 | 0.000 | 0.080 | 0.529 | 1.300 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 6.900 | 7.205 | 8.100 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 0 | 0.000 | < 0.700 | < 42.358 | 97.600 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 1 | 12.500 | < 0.000 | < 4.149 | 28.740 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | 0.003 | 0.010 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.000 | < 1.731 | 23.700 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.008 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 2.999 | 4.640 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.853 | 4.572 | 6.924 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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 Water Supply Zone - Z219 - Seagahan
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.338 | 0.600 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.003 | 0.008 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 10.449 | 11.725 | 13.462 |
| Sulphate | mg SO4/l | AS | 8 | 9 | >250 | 0 | 0.000 | 13.726 | 17.518 | 23.813 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 96 | 96 | | 0 | 0.000 | 0.200 | 0.760 | 1.930 |
| Total Coliforms | No./100ml | S | 96 | 96 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.078 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 9 | | 0 | 0.000 | 2.370 | 5.962 | 8.350 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 25 | >100.0 | 250 | 0.000 | 67.600 | 131.528 | 214.300 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 16.778 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | 0.110 | 0.333 | 1.510 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 38100

This zone has a surface water source :R2514

PCV Exceedences:

Sample failed 22-MAR-2005 (Z219AE) Bromate = 11.80 ug/l.

Sample failed 05-SEP-2005 (Z219AE) Lead = 29 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Water Supply Zone - Z220 - Silent Valley South
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 400 | 0 | 92.700 | 232.725 | 366.100 |
| Ammonium | mg NH4/l | S | 4 | 5 | >0.50 | 0 | 0.000 | < 0.000 | < 0.012 | 0.027 |
| Antimony | ug Sb/l | S | 4 | 5 | >5.0 | 0 | 0.000 | < 0.170 | < 0.182 | 0.200 |
| Arsenic | ug As/l | S | 4 | 5 | >10.0 | 0 | 0.000 | < 0.120 | < 0.404 | 0.600 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.021 | 0.030 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 5 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 6.000 | < 28.875 | 185.000 |
| Bromate | ug/l | S | 4 | 5 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 4 | 5 | >5.0 | 0 | 0.000 | 0.000 | 0.062 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 9.294 | 15.823 | 57.783 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 5 | >50 | 0 | 0.000 | 0.380 | 0.524 | 0.880 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 24 | >0 | 1 | 4.167 | 0.000 | 0.083 | 2.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.400 | 2.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 5 | >20.00 | 2 | 40.000 | 6.690 | 14.012 | 20.500 |
| Conductivity | uS/cm 20 | AS | 24 | 24 | >2500 | 0 | 0.000 | < 0.000 | < 89.053 | 290.000 |
| Copper | mg Cu/l | S | 4 | 5 | >2.000 | 0 | 0.000 | 0.001 | < 0.383 | < 1.900 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | 2.000 | 2.813 | 6.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 9 | >1.500 | 0 | 0.000 | < 0.011 | < 64.673 | 234.592 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 13 | | 0 | 0.000 | 0.040 | 0.410 | 1.600 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 5 | 9.50 | 2 | 40.000 | 6.130 | 7.302 | 9.600 |
| Iron | ug Fe/l | S | 4 | 5 | >200 | 0 | 0.000 | 50.400 | 86.600 | 164.700 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 5 | >25.0 | 0 | 0.000 | < 0.010 | < 1.210 | 3.960 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 5 | >50.0 | 0 | 0.000 | 1.200 | 7.180 | 25.000 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 5 | >20.00 | 0 | 0.000 | < 0.500 | < 0.956 | 2.380 |
| Nitrate | mg NO3/l | S | 4 | 5 | >50.00 | 0 | 0.000 | 1.625 | 2.105 | 2.398 |
| Nitrite | mg NO2/l | S | 4 | 5 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 5 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z220 - Silent Valley South
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.320 | 0.400 |
| Simazine | ug/l | AS | 8 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 4 | >200.00 | | 0 | 0.000 | < 0.000 | < 4.246 | 5.596 |
| Sulphate | mg SO4/l | AS | 8 | >250 | | 0 | 0.000 | < 0.000 | < 8.064 | 53.754 |
| Taste | Diln No | S | 4 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 8 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | ug/l | S | 12 | 13 | | 0 | 0.000 | 0.060 | 0.504 | 1.860 |
| Total Coliforms | No./100ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 2.920 | 3.335 | 3.850 |
| Total Pesticides | ug/l | AS | 8 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 250 | 1 | 8.333 | 52.500 | 133.658 | 271.000 |
| Trifluralin | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | >100.00 | | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 4 | >4.00 | | 0 | 0.000 | 0.310 | 0.638 | 1.030 |
| op-DDT | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4300

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 12-SEP-2005 (W3302OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 04-JAN-2005 (Z220AE) Colour = 20.3 mg/l.
 Sample failed 06-JUN-2005 (Z220AE) Colour = 20.5 mg/l.
 Sample failed 04-JAN-2005 (Z220AE) Hydrogen Ion = 9.6 pH val.
 Sample failed 06-JUN-2005 (Z220AE) Hydrogen Ion = 6.1 pH val.
 Sample failed 04-JAN-2005 (Z220AE) Total Trihalomethanes = 271.0 ug/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z301 - Ballyhanwood

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 64 | 64 | >200.0 | 400 | 0 | 0.000 | < 67.205 | 398.000 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.020 | 0.197 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.293 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.399 | 1.000 |
| Asulam | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 25 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 24 | 25 | >1000.0 | 0 | 0.000 | < 6.000 | < 8.120 | 17.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 4.075 | 9.900 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.019 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 8.470 | 10.927 | 25.849 |
| Chlorpropham | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.454 | 1.260 |
| Clopyralid | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 3.308 | 120.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 0.365 | 10.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 1 | 1.923 | < 0.000 | < 3.588 | 20.100 |
| Conductivity | uS/cm 20 | AS | 365 | 363 | >2500 | 0 | 0.000 | 68.000 | 118.727 | 447.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.002 | < 6.067 | 29.800 |
| Cyanide | ug CN/l | AS | 24 | 25 | >50 | 0 | 0.000 | < 2.100 | < 3.456 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 132 | 132 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 14.863 | 107.171 |
| Flutriafol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 132 | 132 | | 0 | 0.000 | < 0.010 | < 0.197 | 4.500 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.160 | 7.489 | 8.040 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 2 | 3.846 | < 7.000 | < 55.913 | 751.200 |
| Isoproturon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 3.543 | 11.250 |
| MCPA | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 3.075 | 35.600 |
| Mecoprop (MCP) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 25 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.881 | 1.700 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.857 | 3.278 | 6.624 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z301 - Ballyhanwood
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.350 | 0.700 |
| Simazine | ug/l | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 5.900 | 8.306 | 14.212 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 19.860 | 27.700 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 25 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 132 | 132 | | 0 | 0.000 | 0.030 | 0.263 | 4.550 |
| Total Coliforms | No./100ml | S | 132 | 132 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 24 | | 0 | 0.000 | 0.400 | 1.598 | 4.460 |
| Total Pesticides | ug/l | AS | 24 | 25 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 25 | >100.0 | 250 | 0.000 | 37.300 | 60.116 | 91.300 |
| Trifluralin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 25 | >100.00 | 0 | 0.000 | < 10.000 | < 12.460 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.100 | 0.312 | 3.720 |
| op-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 54337

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 23-MAY-2005 (Z301AE) Colour = 20.1 mg/l.

Sample failed 11-APR-2005 (Z301AE) Iron = 684 ug Fe/.

Sample failed 08-NOV-2005 (Z301AE) Iron = 751 ug Fe/.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z302 - Ballysallagh

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 37 | >200.0 | 400 | 0 | 0.000 | < 21.295 | 92.400 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.028 | 0.124 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.200 | 0.388 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.600 | 0.950 | 1.500 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | < 7.000 | < 17.444 | 23.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.825 | 2.400 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.012 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 11.528 | 32.044 | 37.016 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.345 | 0.680 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 44.625 | 444.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 9.625 | 93.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 7.446 | 14.900 |
| Conductivity | uS/cm 20 | AS | 36 | 36 | >2500 | 0 | 0.000 | 267.100 | 296.661 | 319.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.017 | 2.540 | 19.900 |
| Cyanide | ug CN/l | AS | 8 | 9 | >50 | 0 | 0.000 | < 2.100 | < 3.811 | 7.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 9 | >1.500 | 0 | 0.000 | < 0.000 | < 22.711 | 125.437 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.007 | 0.020 |
| Free - Residual disinfectmg | Cl/l | S | 48 | 48 | | 0 | 0.000 | < 0.010 | < 0.091 | 0.330 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 6.900 | 7.463 | 7.990 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 2 | 8.333 | < 7.800 | < 77.617 | 227.500 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 2 | 25.000 | < 0.430 | < 10.933 | 43.340 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | 0.003 | 0.010 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 4.188 | 27.100 |
| Mecoprop (MCP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | 0.009 | 0.040 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.835 | 2.700 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.964 | 9.700 | 16.274 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z302 - Ballysallagh
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.338 | 0.500 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.001 | < 0.003 | 0.005 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 12.804 | 16.288 | 18.367 |
| Sulphate | mg SO4/l | AS | 8 | 9 | >250 | 0 | 0.000 | 16.397 | 19.438 | 22.102 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | ug/l | S | 48 | 48 | >0 | 0 | 0.000 | 0.080 | 0.317 | 0.580 |
| Total Coliforms | No./100ml | S | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | 3.120 | 5.986 | 7.210 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 49.700 | 92.483 | 144.200 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.160 | 0.467 | 1.540 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 17394

This zone has a surface water source :R3501

PCV Exceedences:

Sample failed 27-JUN-2005 (Z302AE) Iron = 213 ug Fe/.
 Sample failed 28-NOV-2005 (Z302AE) Iron = 228 ug Fe/.
 Sample failed 03-MAY-2005 (Z302AE) Lead = 43 ug Pb/l.
 Sample failed 30-AUG-2005 (Z302AE) Lead = 36 ug Pb/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z303 - Breda East

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 64 | 64 | >200.0 | 400 | 0 | 0.000 | < 0.000 | < 29.739 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.013 | 0.093 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.235 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.200 | 0.588 | 0.900 |
| Asulam | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.003 | 0.009 |
| Azinphos methyl | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 32 | 33 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 32 | 33 | >1000.0 | 0 | 0.000 | < 6.000 | < 9.030 | 18.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.688 | 7.200 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.031 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 32 | 32 | >250.00 | 0 | 0.000 | 1.531 | 13.047 | 31.712 |
| Chlorpropham | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.449 | 1.400 |
| Clopyralid | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 469 | 469 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 3.615 | 114.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 3.846 | 128.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 3.531 | 16.700 |
| Conductivity | uS/cm 20 | AS | 469 | 467 | >2500 | 0 | 0.000 | < 7.460 | <144.799 | 447.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 6.780 | 38.800 |
| Cyanide | ug CN/l | AS | 32 | 33 | >50 | 0 | 0.000 | < 2.100 | < 3.418 | 15.000 |
| Cypermethrum | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 132 | 132 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 32 | 32 | >1.500 | 0 | 0.000 | < 0.000 | < 12.009 | 107.171 |
| Flutriafol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 132 | 132 | | 0 | 0.000 | < 0.000 | < 0.143 | 0.520 |
| Gamma-HCH (Lindane) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.200 | 7.546 | 8.210 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 1 | 1.923 | < 6.000 | < 32.492 | 288.500 |
| Isoproturon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 1.060 | 3.590 |
| MCPA | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 2.994 | 42.700 |
| Mecoprop (MCP) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 32 | 33 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.231 | 3.330 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.900 | 3.210 | 5.911 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z303 - Breda East
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 6.274 | 11.806 | 14.246 |
| Sulphate | mg SO4/l | AS | 32 | 32 | >250 | 0 | 0.000 | < 0.000 | < 20.123 | 27.700 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 32 | 33 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 132 | 132 | | 0 | 0.000 | 0.050 | 0.264 | 0.700 |
| Total Coliforms | No./100ml | S | 132 | 132 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 32 | 32 | | 0 | 0.000 | 0.400 | 1.946 | 4.460 |
| Total Pesticides | ug/l | AS | 32 | 33 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 250 | 0.000 | 39.900 | 66.888 | 88.300 |
| Trifluralin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 32 | 33 | >100.00 | 0 | 0.000 | < 10.000 | < 11.894 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.090 | 0.204 | 1.800 |
| op-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 50123

This zone has a surface water source :R3392

PCV Exceedences:

Sample failed 04-MAY-2005 (Z303AE) Iron = 289 ug Fe/.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z304 - Breda West

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 48 | 49 | >200.0 | 400 | 0 | 0.000 | < 21.227 | 56.700 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.023 | 0.219 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.256 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.543 | 1.000 |
| Asulam | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.003 | 0.009 |
| Azinphos methyl | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 32 | 33 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 32 | 33 | >1000.0 | 0 | 0.000 | < 6.000 | < 9.030 | 18.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.788 | 1.500 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.020 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 32 | 32 | >250.00 | 0 | 0.000 | 1.531 | 13.047 | 31.712 |
| Chlorpropham | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.395 | 1.400 |
| Clopyralid | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 469 | 469 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 5.194 | 97.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 6.722 | 219.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 0.000 | < 2.729 | 7.620 |
| Conductivity | uS/cm 20 | AS | 469 | 467 | >2500 | 0 | 0.000 | < 7.460 | <144.799 | 447.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 10.052 | 66.600 |
| Cyanide | ug CN/l | AS | 32 | 33 | >50 | 0 | 0.000 | < 2.100 | < 3.418 | 15.000 |
| Cypermethrum | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 108 | 108 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 32 | 32 | >1.500 | 0 | 0.000 | < 0.000 | < 12.009 | 107.171 |
| Flutriafol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 108 | 108 | | 0 | 0.000 | 0.020 | 0.166 | 0.470 |
| Gamma-HCH (Lindane) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 7.220 | 7.531 | 8.070 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 0 | 0.000 | < 0.000 | < 20.653 | 87.200 |
| Isoproturon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 5.473 | 21.690 |
| MCPA | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.000 | < 0.969 | 5.400 |
| Mecoprop (MCP) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 32 | 33 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.889 | 1.480 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.464 | 3.346 | 6.658 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z304 - Breda West
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.325 | 0.400 |
| Simazine | ug/l | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 6.109 | 11.190 | 14.405 |
| Sulphate | mg SO4/l | AS | 32 | 32 | >250 | 0 | 0.000 | < 0.000 | < 20.123 | 27.700 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 32 | 33 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 108 | 108 | | 0 | 0.000 | 0.090 | 0.302 | 0.960 |
| Total Coliforms | No./100ml | S | 108 | 108 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 32 | 32 | | 0 | 0.000 | 0.400 | 1.946 | 4.460 |
| Total Pesticides | ug/l | AS | 32 | 33 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 250 | 0.000 | 37.800 | 69.642 | 111.800 |
| Trifluralin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 32 | 33 | >100.00 | 0 | 0.000 | < 10.000 | < 11.894 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | 0.070 | 0.154 | 0.500 |
| op-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 42770

This zone has a surface water source :R3392

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z305 - Clandeboye

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 40 | 42 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 64 | 64 | >200.0 | 400 | 0 | < 7.500 | < 48.167 | 183.500 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.017 | 0.220 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.248 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.200 | 0.838 | 1.100 |
| Asulam | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 40 | 42 | >1.00 | 0 | 0.000 | < 0.050 | < 0.051 | 0.100 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 40 | 42 | >1000.0 | 0 | 0.000 | < 6.000 | < 9.786 | 20.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 2.188 | 7.100 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.006 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 40 | 41 | >250.00 | 0 | 0.000 | 8.470 | 18.022 | 37.789 |
| Chlorpropham | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.341 | 0.650 |
| Clopyralid | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 417 | 417 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 13.673 | 428.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 3.385 | 61.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 2.595 | 14.700 |
| Conductivity | uS/cm 20 | AS | 453 | 450 | >2500 | 0 | 0.000 | 68.000 | 155.910 | 641.700 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.589 | < 2.500 |
| Cyanide | ug CN/l | AS | 40 | 42 | >50 | 0 | 0.000 | 2.000 | 3.079 | 15.000 |
| Cypermethrum | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 168 | 168 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 40 | 41 | >1.500 | 0 | 0.000 | < 0.000 | < 17.611 | 114.001 |
| Flutriafol | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 168 | 168 | | 0 | 0.000 | < 0.000 | < 0.152 | 0.800 |
| Gamma-HCH (Lindane) | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Heptachlor epoxide | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.400 | 7.789 | 8.500 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 2 | 3.846 | < 1.200 | < 26.027 | 233.700 |
| Isoproturon | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.390 | < 2.026 | 7.440 |
| MCPA | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 1.467 | 9.200 |
| Mecoprop (MCP) | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 40 | 42 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.720 | 2.260 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 6.025 | 9.729 | 14.332 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z305 - Clandeboye
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 40 | 42 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 10.213 | 12.222 | 12.925 |
| Sulphate | mg SO4/l | AS | 40 | 41 | >250 | 0 | 0.000 | < 0.000 | < 24.246 | 39.289 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 40 | 42 | >10.00 | 0 | 0.000 | < 0.200 | < 0.305 | 4.100 |
| Tetrachloromethane | ug/l | AS | 40 | 42 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 168 | 168 | | 0 | 0.000 | 0.020 | 0.226 | 1.000 |
| Total Coliforms | No./100ml | S | 168 | 168 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 40 | 42 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 40 | 41 | | 0 | 0.000 | < 0.000 | < 1.352 | 4.460 |
| Total Pesticides | ug/l | AS | 40 | 42 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 250 | 0.000 | 27.700 | 56.175 | 131.000 |
| Trifluralin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 40 | 42 | >100.00 | 0 | 0.000 | < 10.000 | < 12.179 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.060 | 0.185 | 0.560 |
| op-DDT | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 66305

This zone has a surface water source :R3341

PCV Exceedences:

Sample failed 02-FEB-2005 (Z305AE) Iron = 234 ug Fe/.

Sample failed 13-JUN-2005 (Z305AE) Iron = 216 ug Fe/.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z306 - Conlig
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 400 | 0 | 0.000 | 12.400 | 167.500 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.029 | 0.045 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.343 | 0.700 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | 0.200 | 0.625 | 0.900 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 7.000 | < 13.625 | 19.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 0 | 0.000 | < 0.600 | < 0.675 | 0.900 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | 0.000 | < 0.009 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 26.992 | 29.268 | 33.334 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | 0.290 | 0.463 | 0.860 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | 4.200 | 8.373 | 18.100 |
| Conductivity | uS/cm 20 | AS | 12 | 12 | >2500 | 0 | 0.000 | 78.000 | 222.392 | 268.000 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | 0.014 | 2.687 | 10.700 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 3.888 | 8.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | 0.020 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.006 | 0.020 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | 0.031 | < 0.985 | < 6.863 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | < 0.010 | < 0.096 | 0.330 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 7.200 | 7.378 | 7.680 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 0 | 0.000 | 76.800 | 85.700 | 96.800 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.009 | 0.060 |
| Lead | ug Pb/l | S | 4 | 4 | >25.0 | 0 | 0.000 | < 0.000 | < 5.123 | 19.240 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 0 | 0.000 | < 0.000 | < 1.550 | 4.000 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.008 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.053 | 0.100 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | 0.970 | 1.863 | 2.390 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | 2.629 | 6.122 | 7.997 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z306 - Conlig
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | >10.0 | | 0 | 0.000 | 0.300 | 0.325 | 0.400 |
| Simazine | ug/l | AS | 8 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.001 | 0.002 |
| Sodium | mg Na/l | S | 4 | >200.00 | | 0 | 0.000 | 13.151 | 13.379 | 13.650 |
| Sulphate | mg SO4/l | AS | 8 | >250 | | 0 | 0.000 | 22.445 | 24.260 | 26.982 |
| Taste | Diln No | S | 4 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | | | 0 | 0.000 | 0.060 | 0.222 | 0.560 |
| Total Coliforms | No./100ml | S | 12 | >0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | | | 0 | 0.000 | 1.320 | 5.123 | 10.450 |
| Total Pesticides | ug/l | AS | 8 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.052 | 0.069 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 250 | 0 | 0.000 | 58.200 | 136.125 | 166.300 |
| Trifluralin | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | >100.00 | | 0 | 0.000 | < 10.000 | < 10.125 | < 11.000 |
| Turbidity | NTU | S | 4 | >4.00 | | 0 | 0.000 | 0.130 | 0.255 | 0.410 |
| op-DDT | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 8 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 208

This zone has a surface water source :R3329

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z307 - Dorisland

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 36 | 36 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 76 | 76 | >200.0 | 1 | 1.316 | < 0.000 | < 29.383 | 442.500 |
| Ammonium | mg NH4/l | S | 76 | 76 | >0.50 | 0 | 0.000 | < 0.000 | < 0.014 | 0.146 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.244 | 0.500 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.208 | 0.400 |
| Asulam | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.001 | < 0.007 | 0.013 |
| Azinphos methyl | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 36 | 36 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.450 | 0.800 |
| Boron | ug B/l | AS | 36 | 36 | >1000.0 | 0 | 0.000 | < 6.000 | < 14.694 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.738 | 1.500 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.034 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 36 | 37 | >250.00 | 0 | 0.000 | 1.979 | 22.064 | 26.987 |
| Chlorpropham | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | 0.500 | 0.759 | 1.610 |
| Clopyralid | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 573 | 573 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 76 | 76 | | 0 | 0.000 | 0.000 | 5.276 | 95.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 76 | 76 | | 0 | 0.000 | 0.000 | 6.789 | 121.000 |
| Colour | mg/l Pt/C | S | 76 | 76 | >20.00 | 0 | 0.000 | < 0.000 | < 2.953 | 19.760 |
| Conductivity | uS/cm 20 | AS | 573 | 573 | >2500 | 0 | 0.000 | < 2.000 | <300.507 | 669.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.001 | < 10.366 | 55.100 |
| Cyanide | ug CN/l | AS | 36 | 36 | >50 | 0 | 0.000 | 2.000 | 3.550 | 15.000 |
| Cypermethrum | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 204 | 204 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 36 | 36 | >1.500 | 0 | 0.000 | < 0.000 | < 5.555 | 105.278 |
| Flutriafol | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectmg | Cl/l | S | 204 | 204 | | 0 | 0.000 | < 0.000 | < 0.102 | 0.530 |
| Gamma-HCH (Lindane) | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 76 | 76 | 9.50 | 0 | 0.000 | 6.990 | 7.457 | 8.370 |
| Iron | ug Fe/l | S | 76 | 76 | >200 | 3 | 3.947 | < 0.000 | < 61.096 | 382.700 |
| Isoproturon | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.459 | < 1.360 |
| MCPA | ug/l | AS | 36 | 36 | >0.10 | 2 | 5.556 | 0.000 | 0.013 | 0.130 |
| Malathion | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 76 | 76 | >50.0 | 0 | 0.000 | < 0.000 | < 2.304 | 37.200 |
| Mecoprop (MCCP) | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 36 | 36 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 1.330 | 2.518 | 7.910 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.297 | 3.247 | 5.021 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 76 | 76 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z307 - Dorisland
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 36 | 36 | >0.100 | 0 | 0.000 | < 0.001 | < 0.006 | 0.020 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 13.058 | 14.579 | 16.422 |
| Sulphate | mg SO4/l | AS | 36 | 36 | >250 | 0 | 0.000 | < 0.000 | < 35.291 | 81.770 |
| Taste | Diln No | S | 76 | 76 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 36 | 36 | >10.00 | 0 | 0.000 | < 0.200 | < 0.203 | 0.300 |
| Tetrachloromethane | ug/l | AS | 36 | 36 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | ug/l | S | 204 | 204 | >0 | 0 | 0.000 | < 0.010 | < 0.189 | 1.500 |
| Total Coliforms | No./100ml | S | 204 | 204 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 36 | 36 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 36 | 37 | >0.5000 | 0 | 0.000 | 0.100 | 4.209 | 33.900 |
| Total Pesticides | ug/l | AS | 36 | 36 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.055 | 0.142 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 18.500 | 34.275 | 67.800 |
| Trifluralin | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 36 | 36 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 76 | 76 | >4.00 | 0 | 0.000 | 0.080 | 0.278 | 1.790 |
| op-DDT | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 83512

This zone has a surface water source :R3316

PCV Exceedences:

Sample failed 05-JUL-2005 (Z307AE) Aluminium = 443 ug Al/.

Sample failed 19-APR-2005 (Z307AE) Iron = 303 ug Fe/.

Sample failed 05-JUL-2005 (Z307AE) Iron = 383 ug Fe/.

Sample failed 22-AUG-2005 (Z307AE) Iron = 272 ug Fe/.

Sample failed 24-MAY-2005 (W3317OUT) MCPA = 0.12 ug/l.

Sample failed 21-JUN-2005 (W3317OUT) MCPA = 0.13 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 - Z308 - Downpatrick
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 64 | 64 | >200.0 | 400 | 0 | 0.000 | < 0.000 | <141.539 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.018 | 0.087 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.248 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.200 | 0.413 | 0.700 |
| Asulam | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | 0.030 |
| Atrazine | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 32 | 33 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.550 | 0.900 |
| Boron | ug B/l | AS | 32 | 33 | >1000.0 | 0 | 0.000 | < 6.000 | < 13.152 | 185.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.650 | 1.000 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.005 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 32 | 33 | >250.00 | 0 | 0.000 | 8.470 | 12.262 | 57.783 |
| Chlorpropham | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.226 | 0.620 |
| Clopyralid | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 389 | 389 | >0 | 1 | 0.257 | 0.000 | 0.005 | 2.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 9.981 | 261.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 6.981 | 211.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 1 | 1.923 | < 0.000 | < 6.626 | 29.000 |
| Conductivity | uS/cm 20 | AS | 389 | 387 | >2500 | 0 | 0.000 | < 0.000 | <116.887 | 447.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.053 | < 0.300 |
| Cyanide | ug CN/l | AS | 32 | 33 | >50 | 0 | 0.000 | 2.000 | 3.300 | 15.000 |
| Cypermethrum | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 156 | 157 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 32 | 33 | >1.500 | 0 | 0.000 | < 0.000 | < 28.447 | 234.592 |
| Flutriafol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 156 | 156 | | 0 | 0.000 | < 0.010 | < 0.229 | 1.400 |
| Gamma-HCH (Lindane) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 32 | 33 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 3 | 5.769 | 5.980 | 7.475 | 8.410 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 0.000 | < 37.948 | 125.700 |
| Isoproturon | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.321 | 1.500 |
| MCPA | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 1 | 1.923 | < 0.000 | < 4.408 | 66.300 |
| Mecoprop (MCP) | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 32 | 33 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.768 | 1.450 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.682 | 2.293 | 3.365 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Water Supply Zone - Z308 - Downpatrick
 Printed On 27-APR-2006 : Water Service : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.325 | 0.500 |
| Simazine | ug/l | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 5.309 | 11.518 | 14.618 |
| Sulphate | mg SO4/l | AS | 32 | 33 | >250 | 0 | 0.000 | < 0.000 | < 16.643 | 53.754 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 32 | 33 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 32 | 33 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 156 | 156 | | 0 | 0.000 | 0.030 | 0.291 | 1.510 |
| Total Coliforms | No./100ml | S | 156 | 157 | >0 | 1 | 0.637 | 0.000 | 0.318 | 50.000 |
| Total Indicative Dose | mSv/year | AS | 32 | 33 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 32 | 32 | | 0 | 0.000 | 0.400 | 2.032 | 4.460 |
| Total Pesticides | ug/l | AS | 32 | 33 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 250 | 0.000 | 23.500 | 96.738 | 195.800 |
| Trifluralin | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 32 | 33 | >100.00 | 0 | 0.000 | < 10.000 | < 12.773 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.090 | 0.343 | 1.040 |
| op-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 32 | 33 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 60026

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 12-SEP-2005 (W3302OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 23-MAY-2005 (Z308AE) Colour = 29.0 mg/l.
 Sample failed 07-FEB-2005 (Z308AE) Hydrogen Ion = 6.4 pH val.
 Sample failed 25-JUL-2005 (Z308AE) Hydrogen Ion = 6.0 pH val.
 Sample failed 02-SEP-2005 (Z308AE) Hydrogen Ion = 6.3 pH val.
 Sample failed 05-SEP-2005 (Z308AE) Manganese = 66 ug Mn/l.
 Sample failed 12-OCT-2005 (Z308AE) Total Coliforms = 50 No./100.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z309 - Dumurry
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 16 | 18 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 16 | 18 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 64 | 65 | >200.0 | 400 | 0 | 0.000 | < 4.634 | 38.800 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.027 | 0.388 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.235 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.513 | 0.700 |
| Asulam | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.001 | < 0.011 | 0.050 |
| Azinphos methyl | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 16 | 18 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.450 | 0.700 |
| Boron | ug B/l | AS | 16 | 18 | >1000.0 | 0 | 0.000 | < 7.000 | < 18.389 | 26.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.023 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 18 | >250.00 | 0 | 0.000 | 9.299 | 24.890 | 34.757 |
| Chlorpropham | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.503 | 1.590 |
| Clopyralid | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 208 | 208 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 9.000 | 108.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 6.827 | 206.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 6.892 | 15.400 |
| Conductivity | uS/cm 20 | AS | 208 | 208 | >2500 | 0 | 0.000 | < 7.500 | <272.480 | 391.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.006 | 4.266 | 34.000 |
| Cyanide | ug CN/l | AS | 16 | 18 | >50 | 0 | 0.000 | 2.000 | 4.083 | 7.000 |
| Cypermethrum | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 16 | 18 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 132 | 132 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 18 | >1.500 | 0 | 0.000 | < 0.000 | < 4.609 | 47.972 |
| Flutriafol | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 132 | 131 | | 0 | 0.000 | < 0.000 | < 0.110 | 0.420 |
| Gamma-HCH (Lindane) | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 16 | 18 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 16 | 18 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.230 | 7.503 | 8.950 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 0.700 | < 21.288 | 52.600 |
| Isoproturon | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | 0.010 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 2.349 | 7.860 |
| MCPA | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | 0.000 | 0.003 | 0.010 |
| Malathion | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 2.831 | 18.100 |
| Mecoprop (MCP) | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.004 |
| Mercury | ug Hg/l | AS | 16 | 18 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.495 | 2.140 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.326 | 2.195 | 3.138 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 16 | 18 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z309 - Dunmurry
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | | 0 | 0.000 | < 0.300 | < 0.375 | 0.600 |
| Simazine | ug/l | AS | 16 | 18 | | 0 | 0.000 | 0.001 | 0.010 | 0.014 |
| Sodium | mg Na/l | S | 8 | 8 | | 0 | 0.000 | 13.528 | 16.275 | 19.795 |
| Sulphate | mg SO4/l | AS | 16 | 18 | | 0 | 0.000 | 7.539 | 12.731 | 33.481 |
| Taste | Diln No | S | 52 | 52 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 132 | 131 | | 0 | 0.000 | 0.020 | 0.235 | 0.600 |
| Total Coliforms | No./100ml | S | 132 | 132 | | 1 | 0.758 | 0.000 | 0.008 | 1.000 |
| Total Indicative Dose | mSv/year | AS | 16 | 18 | | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 18 | | 0 | 0.000 | 1.120 | 5.259 | 7.030 |
| Total Pesticides | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.050 | < 0.051 | 0.059 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | 250 | 0 | 0.000 | 58.200 | 90.892 | 143.100 |
| Trifluralin | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 16 | 18 | | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | | 0 | 0.000 | 0.080 | 0.154 | 0.910 |
| op-DDT | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 16 | 18 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 52835

This zone has a surface water source :R3391

PCV Exceedences:

Sample failed 26-APR-2005 (Z309AE) Total Coliforms = 1 No./100m.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z310 - Dunore East

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 52 | >200.0 | 0 | 0.000 | < 0.000 | < 4.585 | 50.200 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.021 | 0.090 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.309 | 0.500 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.500 | 0.838 | 1.300 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.008 | 0.013 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 6.000 | < 16.917 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 1.688 | 5.200 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.034 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 25 | >250.00 | 0 | 0.000 | 1.979 | 22.659 | 26.987 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.431 | 1.440 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 3.212 | 79.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 5.250 | 120.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 3.108 | 16.800 |
| Conductivity | uS/cm 20 | AS | 365 | 365 | >2500 | 0 | 0.000 | < 2.000 | <287.589 | 409.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.004 | < 4.862 | 22.100 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 3.504 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 168 | 168 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 8.316 | 105.278 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 168 | 168 | | 0 | 0.000 | < 0.000 | < 0.141 | 0.650 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.280 | 7.616 | 7.900 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 0.000 | < 11.815 | 91.500 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 5.549 | 18.890 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.003 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 0.548 | 6.200 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.610 | 1.163 | 1.560 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.135 | 3.210 | 5.920 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.010 | 0.078 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z310 - Dunore East
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.325 | 0.500 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.009 | 0.020 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 13.663 | 14.211 | 15.848 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 14.119 | 17.302 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.204 | 0.300 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 168 | 168 | | 0 | 0.000 | < 0.010 | < 0.306 | 0.840 |
| Total Coliforms | No./100ml | S | 168 | 168 | >0 | 1 | 0.595 | 0.000 | 0.595 | 100.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.067 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | 0.100 | 5.436 | 33.900 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 150 | 0.000 | 30.700 | 66.225 | 100.200 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 12.500 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.060 | 0.160 | 1.390 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 66511

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 21-JUL-2005 (Z310AE) Total Coliforms = 100 No./10.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z311 - Holywood
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 400 | 0 | 0.000 | < 23.242 | 67.500 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.008 | 0.032 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.218 | 0.300 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | 0.600 | 0.850 | 1.000 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | 12.000 | 19.250 | 22.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 0 | 0.000 | < 0.600 | < 3.950 | 7.900 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | 0.000 | < 0.009 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 26.688 | 28.863 | 30.889 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | < 0.120 | < 0.353 | 0.590 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 ml | AS | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.500 | 2.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | 0.900 | 1.683 | 2.480 |
| Conductivity | uS/cm 20 | AS | 12 | 12 | >2500 | 0 | 0.000 | 86.920 | 249.835 | 273.400 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | 0.006 | 7.369 | 29.300 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | 3.000 | 4.875 | 8.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 0.118 | 0.376 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectant | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | < 0.010 | < 0.138 | 0.350 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 7.600 | 7.793 | 7.900 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 1 | 25.000 | 52.100 | 137.075 | 285.500 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 4 | >25.0 | 1 | 25.000 | < 0.230 | < 30.473 | 119.760 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.006 | 0.020 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 0 | 0.000 | < 0.000 | < 6.100 | 16.200 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.004 | < 0.008 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.500 | < 1.215 | 3.360 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | 0.797 | 7.173 | 9.539 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four subst | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z311 - Hollywood

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.004 | 0.006 |
| Sodium | mg Na/l | S | 4 | 4 | >200.00 | 0 | 0.000 | 12.185 | 12.537 | 13.256 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 20.797 | 23.803 | 26.928 |
| Taste | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.213 | 0.300 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | 12 | >100.0 | 0 | 0.000 | < 0.010 | < 0.248 | 0.560 |
| Total Coliforms | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | 5.080 | 5.765 | 6.830 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 41.700 | 81.025 | 149.300 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 10.125 | < 11.000 |
| Turbidity | NTU | S | 4 | 4 | >4.00 | 0 | 0.000 | 0.230 | 0.378 | 0.520 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 3741

This zone has a surface water source :R3320

PCV Exceedences:

Sample failed 17-MAY-2005 (Z311AE) Iron = 286 ug Fe/.

Sample failed 21-JUN-2005 (Z311AE) Lead = 120 ug Pb/.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z312 - Kilkeel/Annalong
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 400 | 0 | 0.000 | < 0.000 | <176.661 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.018 | 0.054 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.268 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.518 | 1.200 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.021 | 0.030 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.613 | 1.500 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 6.000 | < 28.875 | 185.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.042 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 9.294 | 15.823 | 57.783 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.328 | 1.010 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 24 | >0 | 1 | 4.167 | 0.000 | 0.083 | 2.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 3.708 | 22.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 3.792 | 91.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 2 | 8.333 | 1.100 | 10.205 | 33.900 |
| Conductivity | uS/cm 20 | AS | 24 | 24 | >2500 | 0 | 0.000 | < 0.000 | < 89.053 | 290.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.748 | 5.800 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | 2.000 | 2.813 | 6.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 9 | >1.500 | 0 | 0.000 | < 0.011 | < 64.673 | 234.592 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.020 | 0.132 | 0.400 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 4 | 16.667 | 5.100 | 7.585 | 9.840 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 1 | 4.167 | < 0.000 | < 61.121 | 415.300 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.336 | < 1.430 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 3.758 | 13.000 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.931 | 2.360 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.529 | 3.087 | 6.896 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.010 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z312 - Kilkeel/Annalong
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.350 | 0.500 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 5.053 | 10.682 | 15.315 |
| Sulphate | mg SO4/l | AS | 8 | 9 | >250 | 0 | 0.000 | < 0.000 | < 8.064 | 53.754 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 36 | 36 | >0 | 0 | 0.000 | 0.070 | 0.207 | 0.600 |
| Total Coliforms | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | 2.920 | 3.335 | 3.850 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 27.300 | 95.025 | 172.200 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.070 | 0.521 | 1.680 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 11658

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 12-SEP-2005 (W3302OUT) Clostridium perfringens (sulph red) = 2 No./100.
Sample failed 10-JAN-2005 (Z312AE) Colour = 33.9 mg/l.
Sample failed 14-FEB-2005 (Z312AE) Colour = 22.9 mg/l.
Sample failed 10-JAN-2005 (Z312AE) Hydrogen Ion = 9.8 pH val.
Sample failed 28-FEB-2005 (Z312AE) Hydrogen Ion = 9.7 pH val.
Sample failed 08-AUG-2005 (Z312AE) Hydrogen Ion = 5.1 pH val.
Sample failed 05-SEP-2005 (Z312AE) Hydrogen Ion = 5.8 pH val.
Sample failed 19-SEP-2005 (Z312AE) Iron = 415 ug Fe/.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z313 - Lisbane
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 400 | 1 | 2.778 | < 0.200 | < 76.369 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.015 | 0.046 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.256 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.408 | 1.000 |
| Asulam | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 25 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 24 | 25 | >1000.0 | 0 | 0.000 | < 6.000 | < 8.120 | 17.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 4.950 | 9.100 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.031 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 8.470 | 10.927 | 25.849 |
| Chlorpropham | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.380 | 0.720 |
| Clopyralid | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 22.833 | 280.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 1.458 | 12.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 1 | 4.167 | < 0.000 | < 3.182 | 20.100 |
| Conductivity | uS/cm 20 | AS | 365 | 363 | >2500 | 0 | 0.000 | 68.000 | 118.727 | 447.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 3.976 | 31.700 |
| Cyanide | ug CN/l | AS | 24 | 25 | >50 | 0 | 0.000 | < 2.100 | < 3.456 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 60 | 60 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 14.863 | 107.171 |
| Flutriafol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 60 | 60 | | 0 | 0.000 | 0.020 | 0.201 | 1.090 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.150 | 7.510 | 8.000 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 5.200 | < 20.813 | 95.100 |
| Isoproturon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 1.155 | 2.760 |
| MCPA | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 1.529 | 5.300 |
| Mecoprop (MCP) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 25 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.815 | 1.380 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.947 | 3.435 | 6.524 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z313 - Lisbane
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|------------------------------|-------------------|---|---------------------------------------|-----|----------|---|---|---|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | | 0 | 0.000 | < 0.300 | < 0.350 | 0.600 |
| Simazine | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | | 0 | 0.000 | 6.099 | 9.083 | 14.196 |
| Sulphate | mg SO4/l | AS | 24 | 24 | | 0 | 0.000 | < 0.000 | < 19.860 | 27.700 |
| Taste | Diln No | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 60 | 60 | | 0 | 0.000 | 0.040 | 0.264 | 1.120 |
| Total Coliforms | No./100ml | S | 60 | 60 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 25 | | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 24 | | 0 | 0.000 | 0.400 | 1.598 | 4.460 |
| Total Pesticides | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | 13 | 250 | 0 | 0.000 | 33.500 | 52.477 | 125.400 |
| Trifluralin | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 25 | | 0 | 0.000 | < 10.000 | < 12.460 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | | 0 | 0.000 | 0.110 | 0.243 | 0.750 |
| op-DDT | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 25 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 21096

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 22-NOV-2005 (Z313AE) Aluminium = 537 ug Al/.

Sample failed 19-MAY-2005 (Z313AE) Colour = 20.1 mg/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z314 - Lisburn North

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 400 | 0 | 0.000 | < 13.411 | 232.800 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.023 | 0.132 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.255 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.400 | 0.700 | 1.000 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.010 | 0.047 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.475 | 0.900 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | < 7.000 | < 15.750 | 21.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.650 | 1.000 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.022 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 24.390 | 26.655 | 28.643 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.641 | 1.620 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 8.208 | 180.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 10.500 | 94.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 6.329 | 14.860 |
| Conductivity | uS/cm 20 | AS | 12 | 12 | >2500 | 0 | 0.000 | 221.000 | 320.317 | 360.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 4.048 | 25.700 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | < 2.100 | < 3.050 | 6.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 48 | 49 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 12.834 | 78.404 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 48 | 50 | | 0 | 0.000 | 0.020 | 0.219 | 0.790 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.330 | 7.605 | 8.400 |
| Iron | ug Fe/l | S | 24 | 25 | >200 | 1 | 4.000 | < 1.500 | < 38.400 | 526.600 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 1.514 | 6.710 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | 0.003 | 0.010 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 25 | >50.0 | 1 | 4.000 | < 0.000 | < 35.740 | 828.900 |
| Mecoprop (MCCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 1.110 | 1.591 | 1.970 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.274 | 2.166 | 5.557 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z314 - Lisburn North
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.350 | 0.600 |
| Simazine | ug/l | AS | 8 | 8 | >0.100 | 0 | 0.000 | 0.008 | 0.014 | 0.027 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 6.431 | 14.000 | 17.829 |
| Sulphate | mg SO4/l | AS | 8 | 8 | >250 | 0 | 0.000 | 12.721 | 17.876 | 22.680 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | >10.00 | 0 | 0.000 | < 0.200 | < 0.275 | 0.500 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | ug/l | S | 48 | 50 | | 0 | 0.000 | 0.030 | 0.358 | 0.960 |
| Total Coliforms | No./100ml | S | 48 | 49 | >0 | 2 | 4.082 | 0.000 | 20.469 | 999.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | 1.140 | 3.633 | 4.650 |
| Total Pesticides | ug/l | AS | 8 | 8 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.055 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 63.300 | 87.800 | 117.400 |
| Trifluralin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | >100.00 | 0 | 0.000 | < 10.000 | < 10.000 | < 10.000 |
| Turbidity | NTU | S | 24 | 25 | >4.00 | 1 | 4.000 | 0.070 | 0.436 | 7.710 |
| op-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 16962

This zone has a surface water source :R3786

PCV Exceedences:

Sample failed 17-OCT-2005 (Z314AE) Iron = 527 ug Fe/.
 Sample failed 17-OCT-2005 (Z314AE) Manganese = 829 ug Mn/.
 Sample failed 07-SEP-2005 (Z314AE) Total Coliforms = 4 No./100m.
 Sample failed 12-SEP-2005 (Z314AE) Total Coliforms = 999 No./10.
 Sample failed 17-OCT-2005 (Z314AE) Turbidity = 7.71 NTU.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z315 - Lisnabreeny
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 64 | 64 | >200.0 | 400 | 0 | 0.000 | < 83.964 | 362.400 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.019 | 0.153 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.210 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.305 | 0.700 |
| Asulam | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 25 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 24 | 25 | >1000.0 | 0 | 0.000 | < 6.000 | < 8.120 | 17.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 3.600 | 9.400 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.016 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 8.470 | 10.927 | 25.849 |
| Chlorpropham | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | 0.120 | 0.269 | 0.540 |
| Clopyralid | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 8.058 | 204.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 0.288 | 8.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 3.393 | 11.600 |
| Conductivity | uS/cm 20 | AS | 365 | 363 | >2500 | 0 | 0.000 | 68.000 | 118.727 | 447.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 1.686 | 13.400 |
| Cyanide | ug CN/l | AS | 24 | 25 | >50 | 0 | 0.000 | < 2.100 | < 3.456 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 156 | 156 | >0 | 1 | 0.641 | 0.000 | 0.628 | 98.000 |
| Endosulphan Total | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 14.863 | 107.171 |
| Flutriafol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 156 | 156 | | 0 | 0.000 | 0.020 | 0.168 | 0.980 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 1 | 1.923 | 5.500 | 7.542 | 8.450 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 0.000 | < 20.362 | 101.400 |
| Isoproturon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.616 | 2.920 |
| MCPA | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 1.340 | 6.900 |
| Mecoprop (MCP) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 25 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.728 | 1.450 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.057 | 4.694 | 23.422 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z315 - Lisnabreeny
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.325 | 0.500 |
| Simazine | ug/l | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 3.803 | 7.839 | 14.039 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 19.860 | 27.700 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 25 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 156 | 156 | | 0 | 0.000 | 0.040 | 0.243 | 1.090 |
| Total Coliforms | No./100ml | S | 156 | 156 | >0 | 1 | 0.641 | 0.000 | 0.628 | 98.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 24 | | 0 | 0.000 | 0.400 | 1.598 | 4.460 |
| Total Pesticides | ug/l | AS | 24 | 25 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 250 | 0.000 | 18.100 | 63.379 | 125.000 |
| Trifluralin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 25 | >100.00 | 0 | 0.000 | < 10.000 | < 12.460 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.060 | 0.221 | 0.900 |
| op-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 62907

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 15-SEP-2005 (Z315AE) E_Coli = 98 No./100.
 Sample failed 22-AUG-2005 (Z315AE) Hydrogen Ion = 5.5 pH val.
 Sample failed 15-SEP-2005 (Z315AE) Total Coliforms = 98 No./100.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z316 - Lough Cowey

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 8 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 0 | 0.000 | < 6.400 | < 29.883 | 79.100 |
| Ammonium | mg NH4/l | S | 12 | 12 | >0.50 | 0 | 0.000 | < 0.000 | < 0.018 | 0.046 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.305 | 0.500 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.665 | 1.200 |
| Asulam | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.003 |
| Azinphos methyl | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 8 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.600 |
| Boron | ug B/l | AS | 8 | 8 | >1000.0 | 0 | 0.000 | 11.000 | 19.750 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.045 | 0.200 |
| Chlorfenvinphos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 8 | >250.00 | 0 | 0.000 | 21.397 | 39.157 | 43.436 |
| Chlorpropham | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.385 | 0.950 |
| Clopyralid | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 1.750 | 21.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.750 | 6.000 |
| Colour | mg/l Pt/C | S | 12 | 12 | >20.00 | 0 | 0.000 | 0.690 | 2.933 | 6.220 |
| Conductivity | uS/cm 20 | AS | 24 | 23 | >2500 | 0 | 0.000 | 424.000 | 456.783 | 650.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | 0.010 | 4.021 | 31.300 |
| Cyanide | ug CN/l | AS | 8 | 8 | >50 | 0 | 0.000 | 2.000 | 3.275 | 6.000 |
| Cypermethrum | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.010 | < 0.020 | 0.090 |
| Dichlorobenil | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 24 | 24 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 8 | >1.500 | 0 | 0.000 | < 0.000 | < 10.643 | 84.853 |
| Flutriafol | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.020 | 0.128 | 0.500 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 8 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 12 | 12 | 9.50 | 0 | 0.000 | 7.100 | 7.365 | 7.970 |
| Iron | ug Fe/l | S | 12 | 12 | >200 | 0 | 0.000 | < 0.000 | < 24.358 | 53.200 |
| Isoproturon | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 0.988 | 2.720 |
| MCPA | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 12 | 12 | >50.0 | 0 | 0.000 | < 0.000 | < 2.367 | 9.000 |
| Mecoprop (MCP) | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.004 | < 0.010 | 0.030 |
| Mercury | ug Hg/l | AS | 8 | 8 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.781 | 1.390 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.651 | 5.795 | 10.743 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 12 | 12 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z316 - Lough Cowey
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | | 0 | 0.000 | < 0.300 | < 0.413 | 0.600 |
| Simazine | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Sodium | mg Na/l | S | 8 | 9 | | 0 | 0.000 | 22.263 | 22.584 | 22.955 |
| Sulphate | mg SO4/l | AS | 8 | 8 | | 0 | 0.000 | 36.127 | 49.863 | 58.737 |
| Taste | Diln No | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.100 | < 0.113 | 0.200 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 24 | 24 | | 0 | 0.000 | 0.030 | 0.340 | 0.810 |
| Total Coliforms | No./100ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 8 | | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 8 | | 0 | 0.000 | < 0.000 | < 3.628 | 4.560 |
| Total Pesticides | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.050 | < 0.056 | 0.100 |
| Total Trihalomethanes | ug/l | S | 12 | 13 | 150 | 0 | 0.000 | 35.900 | 76.738 | 120.700 |
| Trifluralin | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 8 | | 0 | 0.000 | < 10.000 | < 10.000 | < 10.000 |
| Turbidity | NTU | S | 12 | 12 | | 0 | 0.000 | 0.110 | 0.211 | 0.430 |
| op-DDT | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 8 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 5647

This zone has a surface water source :R3505

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z317 - North Peninsula

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 40 | 42 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 48 | 48 | >200.0 | 400 | 0 | 0.000 | < 45.633 | 319.500 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.015 | 0.068 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.194 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 1.000 | 1.400 | 1.700 |
| Asulam | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 40 | 42 | >1.00 | 0 | 0.000 | < 0.050 | < 0.051 | 0.100 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.450 | 0.700 |
| Boron | ug B/l | AS | 40 | 42 | >1000.0 | 0 | 0.000 | < 6.000 | < 9.786 | 20.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.925 | 3.200 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.022 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 40 | 41 | >250.00 | 0 | 0.000 | 8.470 | 18.022 | 37.789 |
| Chlorpropham | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | 0.170 | 0.428 | 0.760 |
| Clopyralid | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 417 | 417 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 9.306 | 319.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 7.611 | 119.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 0.000 | < 3.526 | 13.500 |
| Conductivity | uS/cm 20 | AS | 453 | 450 | >2500 | 0 | 0.000 | 68.000 | 155.910 | 641.700 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.380 | 1.612 |
| Cyanide | ug CN/l | AS | 40 | 42 | >50 | 0 | 0.000 | 2.000 | 3.079 | 15.000 |
| Cypermethrum | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 120 | 120 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 40 | 41 | >1.500 | 0 | 0.000 | < 0.000 | < 17.611 | 114.001 |
| Flutriafol | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 120 | 120 | | 0 | 0.000 | < 0.010 | < 0.143 | 0.370 |
| Gamma-HCH (Lindane) | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Heptachlor epoxide | ug/l | AS | 40 | 42 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 7.280 | 7.747 | 8.400 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 1 | 2.778 | < 2.000 | < 30.067 | 332.000 |
| Isoproturon | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 1.359 | 5.030 |
| MCPA | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 1 | 2.778 | < 0.000 | < 4.167 | 98.700 |
| Mecoprop (MCP) | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 40 | 42 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.501 | 0.510 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.604 | 10.763 | 19.320 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z317 - North Peninsula
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.438 | 0.600 |
| Simazine | ug/l | AS | 40 | 42 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 11.927 | 16.636 | 22.984 |
| Sulphate | mg SO4/l | AS | 40 | 41 | >250 | 0 | 0.000 | < 0.000 | < 24.246 | 39.289 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 40 | 42 | >10.00 | 0 | 0.000 | < 0.200 | < 0.305 | 4.100 |
| Tetrachloromethane | ug/l | AS | 40 | 42 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 120 | 120 | | 0 | 0.000 | 0.020 | 0.217 | 0.560 |
| Total Coliforms | No./100ml | S | 120 | 120 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 40 | 42 | >0.100 | 0 | 0.000 | < 0.050 | < 0.069 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 40 | 41 | | 0 | 0.000 | < 0.000 | < 1.352 | 4.460 |
| Total Pesticides | ug/l | AS | 40 | 42 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 250 | 0.000 | 8.900 | 61.146 | 181.700 |
| Trifluralin | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 40 | 42 | >100.00 | 0 | 0.000 | < 10.000 | < 12.179 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | 0.060 | 0.236 | 2.690 |
| op-DDT | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 40 | 42 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 45627

This zone has a surface water source :R3341

PCV Exceedences:

Sample failed 21-NOV-2005 (Z317AE) Iron = 332 ug Fe/.
Sample failed 21-NOV-2005 (Z317AE) Manganese = 99 ug Mn/l.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z318 - Oldpark
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 36 | 36 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 53 | >200.0 | 0 | 0.000 | < 0.000 | < 7.768 | 39.400 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.016 | 0.083 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.276 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.688 | 1.000 |
| Asulam | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.001 | < 0.007 | 0.013 |
| Azinphos methyl | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 36 | 36 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 36 | 36 | >1000.0 | 0 | 0.000 | < 6.000 | < 14.694 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.700 | 1.300 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.022 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 36 | 37 | >250.00 | 0 | 0.000 | 1.979 | 22.064 | 26.987 |
| Chlorpropham | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.466 | 1.430 |
| Clopyralid | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 573 | 573 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 53 | | 0 | 0.000 | 0.000 | 53.340 | 2500.00 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 53 | | 0 | 0.000 | 0.000 | 47.358 | 2500.00 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 3.198 | 18.250 |
| Conductivity | uS/cm 20 | AS | 573 | 573 | >2500 | 0 | 0.000 | < 2.000 | <300.507 | 669.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.003 | < 8.303 | 50.900 |
| Cyanide | ug CN/l | AS | 36 | 36 | >50 | 0 | 0.000 | 2.000 | 3.550 | 15.000 |
| Cypermethrum | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 144 | 144 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 36 | 36 | >1.500 | 0 | 0.000 | < 0.000 | < 5.555 | 105.278 |
| Flutriafol | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.010 |
| Free - Residual disinfectmg | Cl/l | S | 144 | 144 | | 0 | 0.000 | < 0.010 | < 0.170 | 0.960 |
| Gamma-HCH (Lindane) | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 36 | 36 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.000 | 7.525 | 8.300 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 1 | 1.923 | < 0.000 | < 24.563 | 225.500 |
| Isoproturon | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 2.296 | 9.050 |
| MCPA | ug/l | AS | 36 | 36 | >0.10 | 2 | 5.556 | 0.000 | 0.013 | 0.130 |
| Malathion | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.000 | < 1.458 | 24.900 |
| Mecoprop (MCP) | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 36 | 36 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.950 | 1.218 | 1.550 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 2.896 | 6.637 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z318 - Oldpark
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------------|---|---------------------------------------|-----|----------|---|---|---|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 36 | 36 | >0.100 | 0 | 0.000 | < 0.001 | < 0.006 | 0.020 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 8.532 | 12.941 | 15.554 |
| Sulphate | mg SO4/l | AS | 36 | 36 | >250 | 0 | 0.000 | < 0.000 | < 35.291 | 81.770 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 36 | 36 | >10.00 | 0 | 0.000 | < 0.200 | < 0.203 | 0.300 |
| Tetrachloromethane | ug/l | AS | 36 | 36 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 144 | 144 | | 0 | 0.000 | < 0.010 | < 0.316 | 0.990 |
| Total Coliforms | No./100ml | S | 144 | 144 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 36 | 36 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 36 | 37 | | 0 | 0.000 | 0.100 | 4.209 | 33.900 |
| Total Pesticides | ug/l | AS | 36 | 36 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.055 | 0.142 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 43.100 | 68.058 | 86.900 |
| Trifluralin | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 36 | 36 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | 0.070 | 0.187 | 1.650 |
| op-DDT | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 36 | 36 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 56152

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 31-JAN-2005 (Z318AE) Iron = 226 ug Fe/.
Sample failed 24-MAY-2005 (W3317OUT) MCPA = 0.12 ug/l.
Sample failed 21-JUN-2005 (W3317OUT) MCPA = 0.13 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z319 - Purdysburn South
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 48 | 48 | >200.0 | 400 | 0 | 0.000 | < 59.356 | 272.000 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.020 | < 0.020 | 0.196 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.236 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.331 | 0.700 |
| Asulam | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 25 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 24 | 25 | >1000.0 | 0 | 0.000 | < 6.000 | < 8.120 | 17.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 1 | 12.500 | < 0.600 | < 4.563 | 10.900 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.075 | 0.450 |
| Chlorfenvinphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 8.470 | 10.927 | 25.849 |
| Chlorpropham | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.438 | 1.030 |
| Clopyralid | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.694 | 7.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.833 | 17.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 0.000 | < 3.146 | 9.600 |
| Conductivity | uS/cm 20 | AS | 365 | 363 | >2500 | 0 | 0.000 | 68.000 | 118.727 | 447.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 6.416 | 51.200 |
| Cyanide | ug CN/l | AS | 24 | 25 | >50 | 0 | 0.000 | < 2.100 | < 3.456 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 108 | 109 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 14.863 | 107.171 |
| Flutriafol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 108 | 108 | | 0 | 0.000 | < 0.010 | < 0.186 | 0.700 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 7.100 | 7.553 | 8.240 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 0 | 0.000 | < 4.100 | < 24.403 | 122.900 |
| Isoproturon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.030 | < 4.178 | 11.930 |
| MCPA | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.000 | < 3.039 | 38.400 |
| Mecoprop (MCP) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 25 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.768 | 1.690 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.562 | 2.996 | 6.171 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z319 - Purdysburn South
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 5.835 | 9.506 | 16.101 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 19.860 | 27.700 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 25 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 108 | 108 | | 0 | 0.000 | 0.020 | 0.269 | 1.000 |
| Total Coliforms | No./100ml | S | 108 | 109 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 24 | | 0 | 0.000 | 0.400 | 1.598 | 4.460 |
| Total Pesticides | ug/l | AS | 24 | 25 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 24 | 24 | >100.0 | 250 | 0.000 | 29.100 | 56.747 | 98.400 |
| Trifluralin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 25 | >100.00 | 0 | 0.000 | < 10.000 | < 12.460 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | 0.080 | 0.308 | 3.250 |
| op-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 41300

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 03-OCT-2005 (Z319AE) Bromate = 10.90 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z320 - Stoneyford

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 400 | 0 | 0.000 | < 3.200 | 14.900 |
| Ammonium | mg NH4/l | S | 4 | 5 | >0.50 | 0 | 0.000 | < 0.000 | < 0.027 | 0.061 |
| Antimony | ug Sb/l | S | 4 | 5 | >5.0 | 0 | 0.000 | < 0.170 | < 0.182 | 0.200 |
| Arsenic | ug As/l | S | 4 | 5 | >10.0 | 0 | 0.000 | < 0.120 | < 0.604 | 0.900 |
| Asulam | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.009 | 0.050 |
| Azinphos methyl | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 8 | 9 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 5 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.420 | 0.500 |
| Boron | ug B/l | AS | 8 | 9 | >1000.0 | 0 | 0.000 | 11.000 | 18.444 | 26.000 |
| Bromate | ug/l | S | 4 | 5 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 4 | 5 | >5.0 | 0 | 0.000 | 0.000 | 0.027 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 8 | 9 | >250.00 | 0 | 0.000 | 9.299 | 22.147 | 25.339 |
| Chlorpropham | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 5 | >50 | 0 | 0.000 | 0.220 | 0.460 | 0.640 |
| Clopyralid | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 104 | 104 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 58.600 | 271.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 1.200 | 6.000 |
| Colour | mg/l Pt/C | S | 4 | 5 | >20.00 | 0 | 0.000 | 1.890 | 9.754 | 18.500 |
| Conductivity | uS/cm 20 | AS | 104 | 104 | >2500 | 0 | 0.000 | 210.400 | 248.661 | 355.000 |
| Copper | mg Cu/l | S | 4 | 5 | >2.000 | 0 | 0.000 | 0.019 | 3.504 | 17.400 |
| Cyanide | ug CN/l | AS | 8 | 9 | >50 | 0 | 0.000 | < 2.100 | < 4.033 | 6.000 |
| Cypermethrum | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 8 | 9 | >1.500 | 0 | 0.000 | < 0.000 | < 3.835 | 34.232 |
| Flutriafol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.020 | 0.160 | 0.700 |
| Gamma-HCH (Lindane) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 8 | 9 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 5 | 9.50 | 0 | 0.000 | 7.300 | 7.500 | 7.700 |
| Iron | ug Fe/l | S | 4 | 6 | >200 | 0 | 0.000 | < 9.200 | < 11.683 | 16.400 |
| Isoproturon | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.003 | 0.010 |
| Lead | ug Pb/l | S | 4 | 5 | >25.0 | 0 | 0.000 | < 0.000 | < 2.054 | 6.900 |
| MCPA | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | 0.003 | 0.010 |
| Malathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 6 | >50.0 | 0 | 0.000 | < 0.000 | < 4.200 | 12.600 |
| Mecoprop (MCPP) | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.004 |
| Mercury | ug Hg/l | AS | 8 | 9 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 5 | >20.00 | 0 | 0.000 | 1.190 | 1.718 | 2.570 |
| Nitrate | mg NO3/l | S | 4 | 5 | >50.00 | 0 | 0.000 | 1.481 | 2.321 | 5.065 |
| Nitrite | mg NO2/l | S | 4 | 5 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 5 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z320 - Stoneyford
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 5 | >10.0 | 0 | 0.000 | 0.300 | 0.340 | 0.500 |
| Simazine | ug/l | AS | 8 | 9 | >0.100 | 0 | 0.000 | 0.001 | 0.009 | 0.014 |
| Sodium | mg Na/l | S | 4 | 5 | >200.00 | 0 | 0.000 | 13.328 | 15.607 | 17.101 |
| Sulphate | mg SO4/l | AS | 8 | 9 | >250 | 0 | 0.000 | 7.539 | 9.610 | 12.614 |
| Taste | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 8 | 9 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 8 | 9 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.060 | 0.259 | 0.760 |
| Total Coliforms | No./100ml | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 8 | 9 | >0.100 | 0 | 0.000 | < 0.050 | < 0.072 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 8 | 9 | | 0 | 0.000 | 5.050 | 5.807 | 7.030 |
| Total Pesticides | ug/l | AS | 8 | 9 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.059 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 62.600 | 85.292 | 97.500 |
| Trifluralin | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 8 | 9 | >100.00 | 0 | 0.000 | < 10.000 | < 13.333 | < 40.000 |
| Turbidity | NTU | S | 4 | 5 | >4.00 | 0 | 0.000 | < 0.090 | < 0.214 | 0.620 |
| op-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 8 | 9 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4259

This zone has a surface water source :R3315

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z321 - Woodvale

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 88 | 89 | >200.0 | 400 | 0 | 0.000 | < 8.945 | 204.500 |
| Ammonium | mg NH4/l | S | 76 | 76 | >0.50 | 0 | 0.000 | < 0.000 | < 0.020 | 0.170 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.318 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.725 | 1.300 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.008 | 0.013 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.600 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 6.000 | < 16.917 | 25.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.022 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 25 | >250.00 | 0 | 0.000 | 1.979 | 22.659 | 26.987 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.469 | 1.540 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 76 | 76 | | 0 | 0.000 | 0.000 | 1.250 | 42.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 76 | 76 | | 0 | 0.000 | 0.000 | 5.224 | 217.000 |
| Colour | mg/l Pt/C | S | 76 | 76 | >20.00 | 0 | 0.000 | < 0.000 | < 3.777 | 17.600 |
| Conductivity | uS/cm 20 | AS | 365 | 365 | >2500 | 0 | 0.000 | < 2.000 | <287.589 | 409.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.004 | < 5.945 | 36.700 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 3.504 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 204 | 205 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 8.316 | 105.278 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.007 |
| Free - Residual disinfectmg | Cl/l | S | 204 | 205 | | 0 | 0.000 | < 0.010 | < 0.194 | 1.720 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 76 | 77 | 9.50 | 0 | 0.000 | 7.270 | 7.527 | 8.360 |
| Iron | ug Fe/l | S | 76 | 76 | >200 | 0 | 0.000 | < 0.000 | < 14.676 | 109.400 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.000 | < 3.356 | 13.620 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.003 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 76 | 76 | >50.0 | 0 | 0.000 | < 0.000 | < 0.988 | 10.400 |
| Mecoprop (MCCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 0.830 | 1.258 | 1.710 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.508 | 3.205 | 6.672 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 76 | 76 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z321 - Woodvale

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.363 | 0.600 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.009 | 0.020 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 8.255 | 13.485 | 16.357 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 14.119 | 17.302 |
| Taste | Diln No | S | 76 | 76 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.204 | 0.300 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 204 | 205 | | 0 | 0.000 | 0.020 | 0.407 | 9.730 |
| Total Coliforms | No./100ml | S | 204 | 205 | >0 | 1 | 0.488 | 0.000 | 0.010 | 2.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.067 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | 0.100 | 5.436 | 33.900 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 36 | 36 | >100.0 | 250 | 0.000 | 40.900 | 79.133 | 115.600 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 12.500 | < 40.000 |
| Turbidity | NTU | S | 76 | 76 | >4.00 | 0 | 0.000 | 0.070 | 0.138 | 0.420 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 82040

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 17-NOV-2005 (Z321AE) 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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z322 - Purdysburn North
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 400 | 0 | < 5.600 | < 62.744 | 266.100 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.021 | 0.240 |
| Antimony | ug Sb/l | S | 8 | 9 | >5.0 | 0 | 0.000 | < 0.170 | < 0.241 | 0.400 |
| Arsenic | ug As/l | S | 8 | 9 | >10.0 | 0 | 0.000 | < 0.120 | < 0.446 | 1.200 |
| Asulam | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Azinphos methyl | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 25 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 9 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.411 | 0.500 |
| Boron | ug B/l | AS | 24 | 25 | >1000.0 | 0 | 0.000 | < 6.000 | < 8.120 | 17.000 |
| Bromate | ug/l | S | 8 | 9 | >10.00 | 0 | 0.000 | < 0.600 | < 2.333 | 8.700 |
| Cadmium | ug Cd/l | S | 8 | 9 | >5.0 | 0 | 0.000 | 0.000 | 0.018 | 0.110 |
| Chlorfenvinphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 8.470 | 10.927 | 25.849 |
| Chlorpropham | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 9 | >50 | 0 | 0.000 | < 0.120 | < 0.371 | 0.930 |
| Clopyralid | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 365 | 365 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.083 | 2.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 2.845 | 9.790 |
| Conductivity | uS/cm 20 | AS | 365 | 363 | >2500 | 0 | 0.000 | 68.000 | 118.727 | 447.000 |
| Copper | mg Cu/l | S | 12 | 12 | >2.000 | 0 | 0.000 | < 0.000 | < 3.341 | 40.000 |
| Cyanide | ug CN/l | AS | 24 | 25 | >50 | 0 | 0.000 | < 2.100 | < 3.456 | 15.000 |
| Cypermethrum | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | 0.000 | < 0.001 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.015 |
| Dichlorvos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 14.863 | 107.171 |
| Flutriafol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 36 | 36 | | 0 | 0.000 | < 0.000 | < 0.175 | 0.630 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 25 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.270 | 7.565 | 8.010 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 1.000 | < 16.021 | 59.500 |
| Isoproturon | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 1 | 12.500 | < 0.000 | < 4.108 | 26.770 |
| MCPA | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Malathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.000 | < 1.633 | 8.000 |
| Mecoprop (MCP) | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 25 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 9 | >20.00 | 0 | 0.000 | < 0.500 | < 0.641 | 1.160 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.325 | 2.598 | 6.171 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 9 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z322 - Purdysburn North
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 9 | >10.0 | 0 | 0.000 | < 0.300 | < 0.309 | 0.380 |
| Simazine | ug/l | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.007 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 5.937 | 8.108 | 13.401 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 19.860 | 27.700 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 25 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 25 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.040 | 0.259 | 0.650 |
| Total Coliforms | No./100ml | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 25 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 24 | | 0 | 0.000 | 0.400 | 1.598 | 4.460 |
| Total Pesticides | ug/l | AS | 24 | 25 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 12 | 12 | >100.0 | 250 | 0.000 | 38.200 | 54.533 | 74.200 |
| Trifluralin | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 25 | >100.00 | 0 | 0.000 | < 10.000 | < 12.460 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | 0.100 | 0.219 | 0.580 |
| op-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 25 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 12919

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 14-MAR-2005 (Z322AE) Lead = 27 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z401 - Belleek
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 4 | 4 | >200.0 | 0 | 0.000 | < 14.000 | < 18.000 | 24.000 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.002 | 0.006 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.210 | 0.300 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.120 | < 0.330 | 0.500 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.005 | 0.013 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.500 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 6.000 | < 10.375 | 19.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 0 | 0.000 | < 0.600 | < 1.000 | 2.200 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | 0.000 | 0.042 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 19.069 | 23.619 | 27.017 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | < 0.120 | < 0.618 | 1.560 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 216 | 214 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.250 | 1.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.900 | < 2.925 | 6.700 |
| Conductivity | uS/cm 20 | AS | 216 | 214 | >2500 | 0 | 0.000 | < 1.000 | <375.383 | 482.000 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | < 0.000 | < 0.001 | < 0.004 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.254 | 18.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.006 | 0.020 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 12.162 | 250.563 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.030 | 0.230 | 0.570 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 7.600 | 7.815 | 7.960 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 0 | 0.000 | < 1.000 | < 10.181 | 24.317 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | 0.010 |
| Lead | ug Pb/l | S | 4 | 4 | >25.0 | 0 | 0.000 | 0.100 | < 0.488 | < 1.000 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.015 | 0.050 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 0 | 0.000 | < 0.124 | < 2.724 | 8.773 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | 0.930 | 1.258 | 1.660 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | 1.396 | 2.881 | 3.708 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z401 - Belleek
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.003 | 0.009 |
| Sodium | mg Na/l | S | 4 | 4 | >200.00 | 0 | 0.000 | 16.272 | 25.069 | 30.906 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 74.522 | 134.344 |
| Taste | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.180 | 0.373 | 0.820 |
| Total Coliforms | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.067 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | 0.390 | 2.899 | 6.040 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.054 | 0.080 |
| Total Trihalomethanes | ug/l | S | 4 | 4 | >100.0 | 1 | 25.000 | 62.100 | 83.125 | 109.900 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 12.500 | < 40.000 |
| Turbidity | NTU | S | 4 | 4 | >4.00 | 0 | 0.000 | < 0.010 | < 0.113 | 0.360 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 3000

This zone has a surface water source :R4722

PCV Exceedences:

Sample failed 03-OCT-2005 (Z401AE) Total Trihalomethanes = 109.9 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z402 - Brishey
: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|----------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 4 | 4 | >200.0 | 0 | 0.000 | < 8.000 | < 10.750 | < 14.000 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.009 | 0.035 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.178 | 0.200 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.120 | < 0.140 | 0.200 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.011 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.525 | 0.900 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | 6.000 | 7.500 | 14.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.012 | < 0.012 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 13.374 | 21.751 | 42.041 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | 1.890 | 2.618 | 2.990 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 140 | 140 | >0 | 1 | 0.714 | 0.000 | 0.143 | 20.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.200 | < 1.375 | 3.100 |
| Conductivity | uS/cm 20 | AS | 140 | 140 | >2500 | 0 | 0.000 | 163.000 | 232.514 | 492.000 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | < 0.004 | < 2.579 | 10.300 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 2.938 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 6.049 | 70.673 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | < 0.010 | < 0.215 | 0.720 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 7.740 | 7.885 | 8.090 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 0 | 0.000 | < 7.301 | < 14.368 | 23.025 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 4 | >25.0 | 0 | 0.000 | < 0.010 | < 0.188 | 0.540 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.020 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 0 | 0.000 | < 0.345 | < 2.182 | 6.905 |
| Mecoprop (MCCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.004 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.500 | < 0.500 | < 0.500 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | 2.509 | 3.148 | 4.513 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z402 - Brishey
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | 0.006 |
| Sodium | mg Na/l | S | 4 | 4 | >200.00 | 0 | 0.000 | 7.494 | 8.220 | 8.786 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | 2.502 | 19.177 | 79.029 |
| Taste | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.010 | 0.390 | 1.110 |
| Total Coliforms | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.067 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 24 | | 0 | 0.000 | < 0.040 | < 1.165 | 4.350 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 4 | 4 | >100.0 | 0 | 0.000 | 4.700 | 13.475 | 22.200 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 12.500 | < 40.000 |
| Turbidity | NTU | S | 4 | 4 | >4.00 | 0 | 0.000 | < 0.040 | < 0.118 | 0.320 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 3000

This zone has a surface water source :R4326

PCV Exceedences:

Sample failed 07-NOV-2005 (W4326OUT) Clostridium perfringens (sulph red) = 20 No./100.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z403 - Carmoney
: Period 01-JAN-2005 to 31-DEC-2005 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) | | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|---------------------------------|-------------------------------|--------------------------------------|---------|----------|----------|
| | | | | | | | Auth Dep | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 16 | 16 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 52 | >200.0 | 0 | 0.000 | < 8.000 | < 36.000 | 125.000 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.013 | 0.084 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.240 | 0.700 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.283 | 0.600 |
| Asulam | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.011 |
| Azinphos methyl | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 16 | 16 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 16 | 16 | >1000.0 | 0 | 0.000 | 6.000 | 8.438 | 14.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 3 | 37.500 | < 0.600 | < 6.088 | 19.500 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 16 | >250.00 | 0 | 0.000 | 17.410 | 27.700 | 42.041 |
| Chlorpropham | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.264 | 0.740 |
| Clopyralid | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 260 | 259 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 2.288 | 59.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 5.673 | 272.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 2.667 | 11.400 |
| Conductivity | uS/cm 20 | AS | 260 | 260 | >2500 | 0 | 0.000 | 0.000 | 245.522 | 492.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.821 | 6.500 |
| Cyanide | ug CN/l | AS | 16 | 16 | >50 | 0 | 0.000 | 2.000 | 3.044 | 7.000 |
| Cypermethrum | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 144 | 144 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 16 | >1.500 | 0 | 0.000 | < 0.000 | < 2.150 | < 17.927 |
| Flutriafol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 144 | 144 | | 0 | 0.000 | 0.000 | 0.150 | 0.700 |
| Gamma-HCH (Lindane) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 16 | 16 | >0.10 | 1 | 6.250 | < 0.020 | < 0.029 | 0.160 |
| Heptachlor | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 6.780 | 7.605 | 8.110 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 1.000 | < 32.401 | 146.781 |
| Isoproturon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.030 | < 0.216 | < 1.000 |
| MCPA | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.007 | 0.020 |
| Malathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.370 | < 2.873 | 21.486 |
| Mecoprop (MCCP) | ug/l | AS | 16 | 16 | >0.10 | 1 | 6.250 | 0.000 | 0.015 | 0.190 |
| Mercury | ug Hg/l | AS | 16 | 16 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.030 | 3.070 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.539 | 5.383 | 9.415 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z403 - Carmoney

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.313 | 0.400 |
| Simazine | ug/l | AS | 16 | 16 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 11.995 | 16.099 | 21.396 |
| Sulphate | mg SO4/l | AS | 16 | 16 | >250 | 0 | 0.000 | < 0.000 | < 40.011 | 79.029 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 16 | 16 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 16 | 16 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfemg Cl/l | mg/l | S | 144 | 144 | | 0 | 0.000 | 0.010 | 0.274 | 0.850 |
| Total Coliforms | MPN | S | 144 | 144 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 16 | 16 | >0.100 | 0 | 0.000 | < 0.050 | < 0.066 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 17 | | 0 | 0.000 | < 0.040 | < 1.919 | 4.350 |
| Total Pesticides | ug/l | AS | 16 | 16 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.067 | 0.197 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 37.400 | 56.550 | 94.700 |
| Trifluralin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 16 | 16 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | <0 | < 0.211 | 3.860 |
| op-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 55650

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 31-AUG-2005 (Z403AE) Bromate = 19.50 ug/l.
 Sample failed 17-OCT-2005 (Z403AE) Bromate = 12.10 ug/l.
 Sample failed 28-NOV-2005 (Z403AE) Bromate = 14.10 ug/l.
 Sample failed 03-OCT-2005 (W4301OUT) Glyphosate = 0.16 ug/l.
 Sample failed 17-AUG-2005 (W4301OUT) Mecoprop (MCP) = 0.19 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z404 - Derg
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 28 | 28 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 24 | 24 | >200.0 | 0 | 0.000 | < 13.000 | < 27.667 | 53.000 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.225 | 0.443 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.201 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.308 | 0.800 |
| Asulam | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.013 |
| Azinphos methyl | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 28 | 28 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.413 | 0.500 |
| Boron | ug B/l | AS | 28 | 28 | >1000.0 | 0 | 0.000 | 6.000 | 7.357 | 14.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.700 | 1.000 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.031 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 28 | 28 | >250.00 | 0 | 0.000 | 13.280 | 21.857 | 42.041 |
| Chlorpropham | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.473 | 1.150 |
| Clopyralid | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 212 | 210 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 26.375 | 628.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.292 | 4.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 1.200 | < 3.046 | 6.000 |
| Conductivity | uS/cm 20 | AS | 212 | 210 | >2500 | 0 | 0.000 | 70.000 | 197.371 | 492.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.565 | 4.500 |
| Cyanide | ug CN/l | AS | 28 | 28 | >50 | 0 | 0.000 | 2.000 | 3.164 | 15.000 |
| Cypermethrum | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 72 | 72 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 28 | 28 | >1.500 | 0 | 0.000 | < 0.000 | < 0.974 | < 17.927 |
| Flutriafol | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 72 | 72 | | 0 | 0.000 | 0.040 | 0.084 | 0.510 |
| Gamma-HCH (Lindane) | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 6.970 | 7.952 | 8.700 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | < 1.309 | < 18.625 | 82.000 |
| Isoproturon | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.050 | < 0.701 | 3.890 |
| MCPA | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.010 | 0.050 |
| Malathion | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.018 | < 1.754 | 6.506 |
| Mecoprop (MCP) | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.020 |
| Mercury | ug Hg/l | AS | 28 | 28 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.225 | 5.080 |
| Nitrate | mg NO3/l | S | 24 | 24 | >50.00 | 0 | 0.000 | 1.540 | 5.683 | 9.760 |
| Nitrite | mg NO2/l | S | 24 | 24 | >0.500 | 0 | 0.000 | < 0.000 | < 0.008 | 0.058 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z404 - Derg
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.325 | 0.500 |
| Simazine | ug/l | AS | 28 | 28 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | 0.006 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 10.146 | 13.144 | 15.400 |
| Sulphate | mg SO4/l | AS | 28 | 28 | >250 | 0 | 0.000 | < 0.692 | < 31.387 | 79.029 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 28 | 28 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 28 | 28 | >3.00 | 0 | 0.000 | < 0.100 | < 0.104 | 0.200 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 72 | 72 | | 0 | 0.000 | 0.180 | 0.722 | 1.030 |
| Total Coliforms | MPN | S | 72 | 72 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 28 | 28 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 28 | 28 | | 0 | 0.000 | < 0.040 | < 1.762 | 4.350 |
| Total Pesticides | ug/l | AS | 28 | 28 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.072 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 12.800 | 20.300 | 36.800 |
| Trifluralin | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 28 | 28 | >100.00 | 0 | 0.000 | < 10.000 | < 13.214 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | < 0.000 | < 0.095 | 0.660 |
| op-DDT | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 26620

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z405 - Glenhordial
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|---------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 20 | 20 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 250 | 0 | 0.000 | < 6.000 | < 17.111 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 0 | 0.000 | < 0.000 | < 0.014 | 0.060 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.190 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.340 | 0.600 |
| Asulam | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.013 |
| Azinphos methyl | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 20 | 20 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.500 |
| Boron | ug B/l | AS | 20 | 20 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.250 | 14.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.750 | 1.300 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 20 | 20 | >250.00 | 0 | 0.000 | 13.280 | 17.264 | 22.577 |
| Chlorpropham | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.255 | 0.500 |
| Clopyralid | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 80 | 79 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 1.208 | 20.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.042 | 1.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.000 | < 2.579 | 8.300 |
| Conductivity | uS/cm 20 | AS | 80 | 79 | >2500 | 0 | 0.000 | 7.000 | 152.291 | 470.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.576 | < 3.700 |
| Cyanide | ug CN/l | AS | 20 | 20 | >50 | 0 | 0.000 | < 2.100 | < 3.270 | 16.000 |
| Cypermethrum | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 36 | 36 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 20 | 20 | >1.500 | 0 | 0.000 | < 0.000 | < 0.461 | < 8.847 |
| Flutriafol | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 36 | 36 | | 0 | 0.000 | 0.030 | 0.321 | 0.700 |
| Gamma-HCH (Lindane) | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 6.790 | 7.784 | 8.460 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 0 | 0.000 | 1.000 | 12.007 | 30.976 |
| Isoproturon | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.010 | < 0.291 | < 1.000 |
| MCPA | ug/l | AS | 20 | 20 | >0.10 | 1 | 5.000 | < 0.002 | < 0.021 | 0.140 |
| Malathion | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.010 | < 2.142 | 18.825 |
| Mecoprop (MCP) | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.004 | < 0.007 | 0.020 |
| Mercury | ug Hg/l | AS | 20 | 20 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.604 | 0.960 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.359 | 1.499 | 3.062 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.138 | 3.300 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z405 - Glenhordial
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 20 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.001 | 0.005 |
| Sodium | mg Na/l | S | 8 | >200.00 | | 0 | 0.000 | < 0.037 | < 9.609 | 12.999 |
| Sulphate | mg SO4/l | AS | 20 | >250 | | 0 | 0.000 | < 0.692 | < 20.407 | 39.510 |
| Taste | Diln No | S | 24 | >3.0 | | 0 | 0.000 | 0.000 | 0.138 | 3.300 |
| Tecnazene | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 20 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 20 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 36 | | | 0 | 0.000 | 0.070 | 0.449 | 0.890 |
| Total Coliforms | MPN | S | 36 | >0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 20 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 20 | | | 0 | 0.000 | 0.250 | 1.608 | 3.130 |
| Total Pesticides | ug/l | AS | 20 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.058 | 0.140 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 150 | 0 | 0.000 | 23.200 | 51.146 | 74.000 |
| Trifluralin | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 20 | >100.00 | | 0 | 0.000 | < 10.000 | < 13.000 | < 40.000 |
| Turbidity | NTU | S | 24 | >4.00 | | 0 | 0.000 | < 0.000 | < 0.133 | 0.740 |
| op-DDT | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13300

This zone has a surface water source :R4541

PCV Exceedences:

Sample failed 24-OCT-2005 (W4541OUT) MCPA = 0.14 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z407 - Killyhevlin

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 52 | 52 | >200.0 | 0 | 0.000 | < 1.000 | < 27.500 | 62.000 |
| Ammonium | mg NH4/l | S | 52 | 52 | >0.50 | 0 | 0.000 | < 0.000 | < 0.020 | 0.117 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.230 | 0.400 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.365 | 0.700 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.005 | 0.013 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.513 | 0.800 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | < 6.000 | < 10.375 | 19.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.838 | 1.700 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 19.069 | 23.619 | 27.017 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.434 | 0.670 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 216 | 214 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 2.058 | 66.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 52 | 52 | | 0 | 0.000 | 0.000 | 5.308 | 215.000 |
| Colour | mg/l Pt/C | S | 52 | 52 | >20.00 | 0 | 0.000 | < 0.000 | < 1.825 | 7.000 |
| Conductivity | uS/cm 20 | AS | 216 | 214 | >2500 | 0 | 0.000 | < 1.000 | <375.383 | 482.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.002 | 0.005 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 4.254 | 18.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 156 | 156 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.006 | 0.020 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 12.162 | 250.563 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 156 | 156 | | 0 | 0.000 | 0.010 | 0.093 | 0.400 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 52 | 52 | 9.50 | 0 | 0.000 | 7.120 | 7.558 | 8.730 |
| Iron | ug Fe/l | S | 52 | 52 | >200 | 0 | 0.000 | < 1.000 | < 24.173 | 81.380 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | 0.010 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | 0.060 | 1.196 | 8.840 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.015 | 0.050 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 52 | 52 | >50.0 | 0 | 0.000 | < 0.440 | < 6.841 | 24.874 |
| Mecoprop (MCCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.010 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | 1.000 | 2.440 | 7.490 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | < 0.000 | < 2.572 | 4.499 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z407 - Killyhevlin
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.300 | 0.300 | 0.300 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.003 | 0.009 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 14.740 | 16.080 | 17.396 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | < 0.000 | < 74.522 | 134.344 |
| Taste | Diln No | S | 52 | 52 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 156 | 156 | | 0 | 0.000 | 0.070 | 0.200 | 0.580 |
| Total Coliforms | MPN | S | 156 | 156 | >0 | 1 | 0.641 | 0.000 | 0.006 | 1.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.067 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 25 | | 0 | 0.000 | 0.390 | 2.899 | 6.040 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.054 | 0.080 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 32.400 | 56.475 | 76.100 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 12.500 | < 40.000 |
| Turbidity | NTU | S | 52 | 52 | >4.00 | 0 | 0.000 | < 0.010 | < 0.186 | 1.520 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 60600

This zone has a surface water source :R4701

PCV Exceedences:

Sample failed 30-NOV-2005 (Z407AE) Total Coliforms = 1 No./100m.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z408 - Lenamore Springs
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|---------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 20 | 20 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 12 | 12 | >200.0 | 250 | 0 | 0.000 | < 1.000 | < 20.083 |
| Ammonium | mg NH4/l | S | 4 | 5 | >0.50 | 0 | 0.000 | < 0.000 | < 0.045 | 0.224 |
| Antimony | ug Sb/l | S | 4 | 5 | >5.0 | 0 | 0.000 | < 0.170 | < 0.262 | 0.500 |
| Arsenic | ug As/l | S | 4 | 5 | >10.0 | 0 | 0.000 | 0.300 | 0.480 | 0.800 |
| Asulam | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.013 |
| Azinphos methyl | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 20 | 20 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 5 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 20 | 20 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.250 | 14.000 |
| Bromate | ug/l | S | 4 | 5 | >10.00 | 0 | 0.000 | < 0.600 | < 1.520 | 5.200 |
| Cadmium | ug Cd/l | S | 4 | 5 | >5.0 | 0 | 0.000 | 0.000 | 0.045 | 0.100 |
| Chlorfenvinphos | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 20 | 20 | >250.00 | 0 | 0.000 | 13.280 | 18.677 | 27.968 |
| Chlorpropham | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 5 | >50 | 0 | 0.000 | 0.390 | 0.472 | 0.560 |
| Clopyralid | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 108 | 106 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 5 | >20.00 | 0 | 0.000 | < 0.100 | < 2.700 | 10.500 |
| Conductivity | uS/cm 20 | AS | 108 | 106 | >2500 | 0 | 0.000 | 70.000 | 180.887 | 254.000 |
| Copper | mg Cu/l | S | 4 | 5 | >2.000 | 0 | 0.000 | 0.008 | < 0.038 | < 0.100 |
| Cyanide | ug CN/l | AS | 20 | 20 | >50 | 0 | 0.000 | 2.000 | 3.460 | 15.000 |
| Cypermethrum | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 5 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 20 | 20 | >1.500 | 0 | 0.000 | < 0.000 | < 0.462 | < 8.847 |
| Flutriafol | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.110 | 0.483 | 0.790 |
| Gamma-HCH (Lindane) | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 20 | 20 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 5 | 9.50 | 0 | 0.000 | 7.070 | 7.424 | 7.760 |
| Iron | ug Fe/l | S | 4 | 5 | >200 | 0 | 0.000 | 14.761 | 17.398 | 24.000 |
| Isoproturon | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 5 | >25.0 | 0 | 0.000 | < 0.050 | < 0.160 | < 0.230 |
| MCPA | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.002 | < 0.013 | 0.050 |
| Malathion | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 5 | >50.0 | 0 | 0.000 | <0 | < 0.565 | < 1.167 |
| Mecoprop (MCCP) | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.004 | < 0.006 | 0.020 |
| Mercury | ug Hg/l | AS | 20 | 20 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 5 | >20.00 | 0 | 0.000 | 0.600 | 0.978 | 1.370 |
| Nitrate | mg NO3/l | S | 4 | 5 | >50.00 | 0 | 0.000 | 1.492 | 2.255 | 5.069 |
| Nitrite | mg NO2/l | S | 4 | 5 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 5 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug/l | | S | 4 | 5 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 20 | 20 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service Water Supply Zone - Z408 - Lenamore Springs
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|---------|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | >10.0 | | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 20 | >0.100 | | 0 | 0.000 | < 0.001 | < 0.001 | 0.005 |
| Sodium | mg Na/l | S | 4 | >200.00 | | 0 | 0.000 | 13.447 | 20.993 | 26.896 |
| Sulphate | mg SO4/l | AS | 20 | >250 | | 0 | 0.000 | < 0.692 | < 25.699 | 57.415 |
| Taste | Diln No | S | 4 | >3.0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 20 | >10.00 | | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 20 | >3.00 | | 0 | 0.000 | < 0.100 | < 0.105 | 0.200 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | | | 0 | 0.000 | 0.020 | 0.610 | 0.860 |
| Total Coliforms | MPN | S | 12 | >0 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 20 | >0.100 | | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 20 | | | 0 | 0.000 | 0.250 | 1.647 | 3.520 |
| Total Pesticides | ug/l | AS | 20 | >0.5000 | | 0 | 0.000 | < 0.050 | < 0.052 | 0.072 |
| Total Trihalomethanes | ug/l | S | 12 | >100.0 | 150 | 0 | 0.000 | 7.200 | 18.342 | 51.700 |
| Trifluralin | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 20 | >100.00 | | 0 | 0.000 | < 10.000 | < 13.000 | < 40.000 |
| Turbidity | NTU | S | 4 | >4.00 | | 0 | 0.000 | < 0.010 | < 0.070 | 0.100 |
| op-DDT | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 20 | >0.10 | | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 1700

This zone has a surface water source :R4542

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z409 - Foyle
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 16 | 16 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 1 | 2.778 | < 11.000 | < 44.028 | 259.000 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.012 | 0.064 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.228 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.265 | 0.500 |
| Asulam | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.002 | 0.011 |
| Azinphos methyl | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 16 | 16 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 16 | 16 | >1000.0 | 0 | 0.000 | 6.000 | 8.438 | 14.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 1 | 12.500 | < 0.600 | < 3.463 | 10.600 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.012 | < 0.247 | 1.800 |
| Chlorfenvinphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 16 | 16 | >250.00 | 0 | 0.000 | 17.410 | 27.700 | 42.041 |
| Chlorpropham | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 2.628 | 18.800 |
| Clopyralid | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 260 | 259 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 4.500 | 76.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 4.056 | 141.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 0.100 | < 3.044 | 10.600 |
| Conductivity | uS/cm 20 | AS | 260 | 260 | >2500 | 0 | 0.000 | 0.000 | 245.522 | 492.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 3.051 | 24.400 |
| Cyanide | ug CN/l | AS | 16 | 16 | >50 | 0 | 0.000 | 2.000 | 3.044 | 7.000 |
| Cypermethrum | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 96 | 96 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 16 | 16 | >1.500 | 0 | 0.000 | < 0.000 | < 2.150 | < 17.927 |
| Flutriafol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 96 | 96 | | 0 | 0.000 | 0.000 | 0.070 | 0.250 |
| Gamma-HCH (Lindane) | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 16 | 16 | >0.10 | 1 | 6.250 | < 0.020 | < 0.029 | 0.160 |
| Heptachlor | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 16 | 16 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 1 | 2.778 | 6.470 | 7.313 | 7.960 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 1 | 2.778 | < 0.049 | < 51.554 | 251.050 |
| Isoproturon | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.020 | < 0.093 | < 0.230 |
| MCPA | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.007 | 0.020 |
| Malathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 0 | 0.000 | < 0.317 | < 6.383 | 30.463 |
| Mecoprop (MCCP) | ug/l | AS | 16 | 16 | >0.10 | 1 | 6.250 | 0.000 | 0.015 | 0.190 |
| Mercury | ug Hg/l | AS | 16 | 16 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.073 | < 2.500 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.682 | 2.419 | 5.337 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z409 - Foyle
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 16 | 16 | >0.100 | 0 | 0.000 | < 0.001 | < 0.002 | 0.009 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 9.776 | 16.550 | 21.982 |
| Sulphate | mg SO4/l | AS | 16 | 16 | >250 | 0 | 0.000 | < 0.000 | < 40.011 | 79.029 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug | ug/l | AS | 16 | 16 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 16 | 16 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe | mg Cl/l | S | 96 | 96 | | 0 | 0.000 | 0.020 | 0.146 | 0.510 |
| Total Coliforms | MPN | S | 96 | 96 | >0 | 2 | 2.083 | 0.000 | 1.198 | 109.000 |
| Total Indicative Dose | mSv/year | AS | 16 | 16 | >0.100 | 0 | 0.000 | < 0.050 | < 0.066 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 16 | 17 | | 0 | 0.000 | < 0.040 | < 1.919 | 4.350 |
| Total Pesticides | ug/l | AS | 16 | 16 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.067 | 0.197 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 29.400 | 53.713 | 93.300 |
| Trifluralin | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 16 | 16 | >100.00 | 0 | 0.000 | < 10.000 | < 13.750 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | < 0.000 | < 0.238 | 1.020 |
| op-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 16 | 16 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 35000

This zone has a surface water source :R4301

PCV Exceedences:

Sample failed 03-OCT-2005 (Z409AE) Aluminium = 259 ug Al/.
 Sample failed 26-OCT-2005 (Z409AE) Bromate = 10.60 ug/l.
 Sample failed 03-OCT-2005 (W4301OUT) Glyphosate = 0.16 ug/l.
 Sample failed 24-JAN-2005 (Z409AE) Hydrogen Ion = 6.47 pH va.
 Sample failed 07-NOV-2005 (Z409AE) Iron = 251.05 ug.
 Sample failed 17-AUG-2005 (W4301OUT) Mecoprop (MCP) = 0.19 ug/l.
 Sample failed 23-MAR-2005 (Z409AE) Total Coliforms = 109 No./10.
 Sample failed 30-MAR-2005 (Z409AE) Total Coliforms = 6 No./100m.

Notes:

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

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z410 - Lough Braden

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|-----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 40 | 40 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 40 | 40 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 250 | 0 | 0.000 | 17.000 | 49.333 |
| Ammonium | mg NH4/l | S | 24 | 24 | >0.50 | 1 | 4.167 | < 0.000 | < 0.049 | 0.529 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.206 | 0.300 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.183 | 0.300 |
| Asulam | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.001 | < 0.004 | 0.013 |
| Azinphos methyl | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 40 | 40 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.500 | 0.800 |
| Boron | ug B/l | AS | 40 | 40 | >1000.0 | 0 | 0.000 | < 6.000 | < 9.200 | 19.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.875 | 2.200 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 40 | 40 | >250.00 | 0 | 0.000 | 13.280 | 21.666 | 27.968 |
| Chlorpropham | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.313 | 0.750 |
| Clopyralid | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 320 | 316 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 1.125 | 17.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.042 | 1.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.900 | < 4.163 | 10.100 |
| Conductivity | uS/cm 20 | AS | 320 | 316 | >2500 | 0 | 0.000 | < 1.000 | <313.047 | 482.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 1.963 | 15.700 |
| Cyanide | ug CN/l | AS | 40 | 40 | >50 | 0 | 0.000 | 2.000 | 4.073 | 18.000 |
| Cypermethrum | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | 0.000 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 40 | 40 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.005 | < 0.006 | 0.020 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 40 | 40 | >1.500 | 0 | 0.000 | < 0.000 | < 7.526 | 250.563 |
| Flutriafol | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfectmg | Cl/l | S | 48 | 48 | | 0 | 0.000 | < 0.010 | < 0.104 | 0.400 |
| Gamma-HCH (Lindane) | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 40 | 40 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 40 | 40 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.330 | 7.985 | 8.440 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 1 | 4.167 | < 5.289 | < 75.002 | 860.000 |
| Isoproturon | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | 0.010 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.090 | < 0.486 | 2.390 |
| MCPA | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | 0.000 | 0.015 | 0.050 |
| Malathion | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.094 | < 5.063 | 41.000 |
| Mecoprop (MCP) | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | 0.000 | 0.006 | 0.020 |
| Mercury | ug Hg/l | AS | 40 | 40 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.091 | 4.150 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.348 | 0.557 | 0.843 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z410 - Lough Braden
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 40 | 40 | >0.100 | 0 | 0.000 | < 0.001 | < 0.003 | 0.009 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 43.961 | 65.281 | 106.523 |
| Sulphate | mg SO4/l | AS | 40 | 40 | >250 | 0 | 0.000 | < 0.000 | < 57.317 | 134.344 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 40 | 40 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 40 | 40 | >3.00 | 0 | 0.000 | < 0.100 | < 0.103 | 0.200 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 48 | 48 | | 0 | 0.000 | 0.020 | 0.198 | 0.710 |
| Total Coliforms | MPN | S | 48 | 48 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 40 | 40 | >0.100 | 0 | 0.000 | < 0.050 | < 0.066 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 40 | 41 | | 0 | 0.000 | 0.390 | 2.530 | 6.040 |
| Total Pesticides | ug/l | AS | 40 | 40 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.053 | 0.080 |
| Total Trihalomethanes | ug/l | S | 12 | 15 | >100.0 | 150 | 0.000 | 58.300 | 86.000 | 124.000 |
| Trifluralin | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 40 | 40 | >100.00 | 0 | 0.000 | < 10.000 | < 12.250 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | < 0.010 | < 0.227 | 3.170 |
| op-DDT | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 40 | 40 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 16700

This zone has a surface water source :R4513

PCV Exceedences:

Sample failed 28-FEB-2005 (Z410AE) Ammonium = 0.53 mg NH.

Sample failed 12-JAN-2005 (Z410AE) Iron = 860 ug Fe/.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z411 - Lough Macrory
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|---------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 28 | 28 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 250 | 0 | 0.000 | < 2.000 | 83.000 |
| Ammonium | mg NH4/l | S | 24 | 25 | >0.50 | 0 | 0.000 | < 0.000 | < 0.016 | 0.060 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.174 | 0.200 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | 0.100 | 0.230 | 0.400 |
| Asulam | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.013 |
| Azinphos methyl | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 28 | 28 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 28 | 28 | >1000.0 | 0 | 0.000 | < 6.000 | < 7.179 | 14.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 0.663 | 1.100 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | < 0.011 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 28 | 28 | >250.00 | 0 | 0.000 | 13.280 | 20.174 | 27.968 |
| Chlorpropham | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.250 | 0.540 |
| Clopyralid | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 144 | 142 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 22 | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 11.208 | 221.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 24 | 24 | | 0 | 0.000 | 0.000 | 0.417 | 8.000 |
| Colour | mg/l Pt/C | S | 24 | 24 | >20.00 | 0 | 0.000 | < 0.100 | < 2.321 | 8.600 |
| Conductivity | uS/cm 20 | AS | 144 | 142 | >2500 | 0 | 0.000 | 70.000 | 212.535 | 397.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 0.002 | 0.005 |
| Cyanide | ug CN/l | AS | 28 | 28 | >50 | 0 | 0.000 | 2.000 | 3.914 | 17.000 |
| Cypermethrum | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.013 |
| Diazinon | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | 0.010 |
| Dichlorobenil | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 72 | 72 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.006 | 0.020 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 28 | 28 | >1.500 | 0 | 0.000 | < 0.000 | < 1.592 | 35.063 |
| Flutriafol | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 72 | 72 | | 0 | 0.000 | 0.010 | 0.365 | 1.150 |
| Gamma-HCH (Lindane) | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 28 | 28 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 24 | 24 | 9.50 | 0 | 0.000 | 7.170 | 7.741 | 8.460 |
| Iron | ug Fe/l | S | 24 | 24 | >200 | 1 | 4.167 | < 0.317 | < 33.431 | 410.864 |
| Isoproturon | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | 0.010 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.010 | < 0.228 | 0.630 |
| MCPA | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | 0.000 | 0.010 | 0.050 |
| Malathion | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 24 | 24 | >50.0 | 0 | 0.000 | < 0.318 | < 1.874 | 16.069 |
| Mecoprop (MCP) | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.004 | < 0.005 | 0.020 |
| Mercury | ug Hg/l | AS | 28 | 28 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 1.030 | 4.150 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 1.126 | 2.583 | 5.108 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substau | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z411 - Lough Macrory
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| Propetamphos | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 28 | 28 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | 0.005 |
| Sodium | mg Na/l | S | 8 | 9 | >200.00 | 0 | 0.000 | 9.319 | 11.231 | 16.377 |
| Sulphate | mg SO4/l | AS | 28 | 28 | >250 | 0 | 0.000 | < 0.000 | < 33.603 | 71.511 |
| Taste | Diln No | S | 24 | 24 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 28 | 28 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 28 | 28 | >3.00 | 0 | 0.000 | < 0.100 | < 0.104 | 0.200 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 72 | 72 | | 0 | 0.000 | 0.060 | 0.465 | 1.220 |
| Total Coliforms | MPN | S | 72 | 72 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 28 | 28 | >0.100 | 0 | 0.000 | < 0.050 | < 0.068 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 28 | 28 | | 0 | 0.000 | 0.250 | 2.052 | 5.790 |
| Total Pesticides | ug/l | AS | 28 | 28 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.051 | 0.072 |
| Total Trihalomethanes | ug/l | S | 12 | 13 | >100.0 | 150 | 0.000 | 26.700 | 51.800 | 111.900 |
| Trifluralin | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 28 | 28 | >100.00 | 0 | 0.000 | < 10.000 | < 13.214 | < 40.000 |
| Turbidity | NTU | S | 24 | 24 | >4.00 | 0 | 0.000 | < 0.010 | < 0.136 | 0.670 |
| op-DDT | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 28 | 28 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 28500

This zone has a surface water source :R4523

PCV Exceedences:

Sample failed 15-JUN-2005 (Z411AE) Iron = 410.864 ug.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z412 - Stradreagh

: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 4 | 4 | >200.0 | 0 | 0.000 | < 1.000 | < 21.500 | 67.000 |
| Ammonium | mg NH4/l | S | 4 | 4 | >0.50 | 0 | 0.000 | < 0.000 | < 0.015 | 0.044 |
| Antimony | ug Sb/l | S | 4 | 4 | >5.0 | 0 | 0.000 | < 0.170 | < 0.185 | 0.200 |
| Arsenic | ug As/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.120 | < 0.160 | 0.200 |
| Asulam | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.011 |
| Azinphos methyl | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 24 | 24 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 4 | 4 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.400 | < 0.400 |
| Boron | ug B/l | AS | 24 | 24 | >1000.0 | 0 | 0.000 | 6.000 | 7.500 | 14.000 |
| Bromate | ug/l | S | 4 | 4 | >10.00 | 0 | 0.000 | < 0.600 | < 0.600 | < 0.600 |
| Cadmium | ug Cd/l | S | 4 | 4 | >5.0 | 0 | 0.000 | 0.000 | < 0.006 | < 0.012 |
| Chlorfenvinphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 24 | 24 | >250.00 | 0 | 0.000 | 13.374 | 21.751 | 42.041 |
| Chlorpropham | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 4 | 4 | >50 | 0 | 0.000 | 0.360 | 0.993 | 1.720 |
| Clopyralid | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 140 | 140 | >0 | 1 | 0.714 | 0.000 | 0.143 | 20.000 |
| Colony Counts 22 | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Colour | mg/l Pt/C | S | 4 | 4 | >20.00 | 0 | 0.000 | < 1.200 | < 2.875 | 6.900 |
| Conductivity | uS/cm 20 | AS | 140 | 140 | >2500 | 0 | 0.000 | 163.000 | 232.514 | 492.000 |
| Copper | mg Cu/l | S | 4 | 4 | >2.000 | 0 | 0.000 | 0.009 | 45.315 | 181.200 |
| Cyanide | ug CN/l | AS | 24 | 24 | >50 | 0 | 0.000 | 2.000 | 2.938 | 14.000 |
| Cypermethrum | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 4 | 4 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 24 | 24 | >1.500 | 0 | 0.000 | < 0.000 | < 6.049 | 70.673 |
| Flutriafol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.000 | 0.188 | 0.440 |
| Gamma-HCH (Lindane) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Heptachlor | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 24 | 24 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 4 | 4 | 9.50 | 0 | 0.000 | 7.480 | 7.603 | 7.720 |
| Iron | ug Fe/l | S | 4 | 4 | >200 | 0 | 0.000 | 10.228 | 33.649 | 82.298 |
| Isoproturon | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 4 | 4 | >25.0 | 0 | 0.000 | < 0.010 | < 0.168 | < 0.310 |
| MCPA | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | 0.004 | 0.020 |
| Malathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 4 | 4 | >50.0 | 0 | 0.000 | < 1.109 | < 2.896 | 4.710 |
| Mecoprop (MCP) | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | 0.000 | < 0.003 | < 0.004 |
| Mercury | ug Hg/l | AS | 24 | 24 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 4 | 4 | >20.00 | 0 | 0.000 | < 0.500 | < 0.873 | 1.890 |
| Nitrate | mg NO3/l | S | 4 | 4 | >50.00 | 0 | 0.000 | 0.794 | 7.442 | 15.590 |
| Nitrite | mg NO2/l | S | 4 | 4 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 4 | 4 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

Printed On 27-APR-2006 : Water Service
 Water Supply Zone - Z412 - Stradreagh
 : Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 4 | 4 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | 0.006 |
| Sodium | mg Na/l | S | 4 | 4 | >200.00 | 0 | 0.000 | 12.891 | 16.794 | 22.440 |
| Sulphate | mg SO4/l | AS | 24 | 24 | >250 | 0 | 0.000 | 2.502 | 19.177 | 79.029 |
| Taste | Diln No | S | 4 | 4 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 24 | 24 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 24 | 24 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg Cl/l | S | 12 | 12 | | 0 | 0.000 | 0.030 | 0.298 | 0.650 |
| Total Coliforms | MPN | S | 12 | 12 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Indicative Dose | mSv/year | AS | 24 | 24 | >0.100 | 0 | 0.000 | < 0.050 | < 0.067 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 24 | 24 | | 0 | 0.000 | < 0.040 | < 1.165 | 4.350 |
| Total Pesticides | ug/l | AS | 24 | 24 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Total Trihalomethanes | ug/l | S | 4 | 4 | >100.0 | 0 | 0.000 | 12.300 | 31.650 | 63.100 |
| Trifluralin | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 24 | 24 | >100.00 | 0 | 0.000 | < 10.000 | < 12.500 | < 40.000 |
| Turbidity | NTU | S | 4 | 4 | >4.00 | 0 | 0.000 | < 0.020 | < 1.055 | 3.960 |
| op-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| pp-DDT | ug/l | AS | 24 | 24 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4100

This zone has a surface water source :R4324

PCV Exceedences:

Sample failed 07-NOV-2005 (W4326OUT) Clostridium perfringens (sulph red) = 20 No./100.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

I = Increased Sampling Frequency

S = Standard Sampling Frequency

A = Authorised Supply Point

Printed On 27-APR-2006 : Water Service

Water Supply Zone - Z413 - Limavady
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contraven ing PCV | % of samples contraven ing PCV | Concentration or value (all samples) | | |
|----------------------------|-------------|----------------------------------|------------------------------|-----|----------|----------------------------------|--------------------------------|--------------------------------------|----------|---------|
| | | | | | | | | Min. | Mean | Max. |
| 1,2 Dichloroethane | ug/l | AS | 32 | 32 | >3.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Aldrin | ug/l | AS | 32 | 32 | >0.030 | 0 | 0.000 | < 0.009 | < 0.009 | < 0.009 |
| Aluminium | ug Al/l | S | 36 | 36 | >200.0 | 0 | 0.000 | < 7.000 | < 34.583 | 126.000 |
| Ammonium | mg NH4/l | S | 36 | 36 | >0.50 | 0 | 0.000 | < 0.000 | < 0.030 | 0.280 |
| Antimony | ug Sb/l | S | 8 | 8 | >5.0 | 0 | 0.000 | < 0.170 | < 0.228 | 0.600 |
| Arsenic | ug As/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.120 | < 0.243 | 0.400 |
| Asulam | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Atrazine | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | 0.011 |
| Azinphos methyl | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Bentazone | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Benzene | ug/l | AS | 32 | 32 | >1.00 | 0 | 0.000 | < 0.050 | < 0.050 | < 0.050 |
| Benzo 3 4 pyrene | ug/l | S | 8 | 8 | >0.0100 | 0 | 0.000 | < 0.400 | < 0.425 | 0.600 |
| Boron | ug B/l | AS | 32 | 32 | >1000.0 | 0 | 0.000 | 6.000 | 7.938 | 14.000 |
| Bromate | ug/l | S | 8 | 8 | >10.00 | 0 | 0.000 | < 0.600 | < 2.338 | 9.800 |
| Cadmium | ug Cd/l | S | 8 | 8 | >5.0 | 0 | 0.000 | 0.000 | 0.045 | 0.300 |
| Chlorfenvinphos | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Chloride | mg Cl/l | AS | 32 | 32 | >250.00 | 0 | 0.000 | 13.374 | 22.711 | 42.041 |
| Chlorpropham | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Chlortoluron | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Chromium | ug Cr/l | S | 8 | 8 | >50 | 0 | 0.000 | < 0.120 | < 0.398 | 0.920 |
| Clopyralid | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Clostridium perfringens | No./100 m | AS | 296 | 295 | >0 | 1 | 0.339 | 0.000 | 0.068 | 20.000 |
| Colony Counts 22 | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.778 | 15.000 |
| Colony Counts 37 (48hrs) | No./1 ml | S | 36 | 36 | | 0 | 0.000 | 0.000 | 0.111 | 2.000 |
| Colour | mg/l Pt/C | S | 36 | 36 | >20.00 | 0 | 0.000 | < 0.010 | < 3.998 | 16.200 |
| Conductivity | uS/cm 20 | AS | 296 | 296 | >2500 | 0 | 0.000 | 0.000 | 250.384 | 492.000 |
| Copper | mg Cu/l | S | 8 | 8 | >2.000 | 0 | 0.000 | < 0.000 | < 1.421 | 11.300 |
| Cyanide | ug CN/l | AS | 32 | 32 | >50 | 0 | 0.000 | 2.000 | 3.119 | 14.000 |
| Cypermethrum | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.010 | < 0.011 | < 0.012 |
| Diazinon | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dicamba | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.010 | < 0.010 | < 0.010 |
| Dichlorobenil | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dichlorophen | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.011 | < 0.011 | < 0.011 |
| Dichlorvos | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Dieldrin | ug/l | AS | 32 | 32 | >0.030 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Diquat | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Diuron | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| E Coli | MPN | S | 96 | 96 | >0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Endosulphan Total | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.020 | < 0.020 | < 0.020 |
| Endosulphan-a | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Endosulphan-b | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Endrin | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Enterococci | No./100ml | S | 8 | 8 | | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Fenitrothion | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Fenpropimorph | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Flumethrin | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Fluoride | mg F/l | AS | 32 | 32 | >1.500 | 0 | 0.000 | < 0.000 | < 5.048 | 70.673 |
| Flutriafol | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.005 | < 0.005 | < 0.005 |
| Free - Residual disinfect | mg Cl/l | S | 96 | 96 | | 0 | 0.000 | 0.000 | 0.179 | 0.600 |
| Gamma-HCH (Lindane) | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Glyphosate | ug/l | AS | 32 | 32 | >0.10 | 1 | 3.125 | < 0.020 | < 0.024 | 0.160 |
| Heptachlor | ug/l | AS | 32 | 32 | >0.030 | 0 | 0.000 | 0.000 | < 0.004 | < 0.004 |
| Heptachlor epoxide | ug/l | AS | 32 | 32 | >0.030 | 0 | 0.000 | < 0.007 | < 0.007 | < 0.007 |
| Hexachlorobenzene | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Hydrogen Ion | pH value | S | 36 | 36 | 9.50 | 0 | 0.000 | 6.620 | 7.233 | 8.860 |
| Iron | ug Fe/l | S | 36 | 36 | >200 | 4 | 11.111 | 9.320 | 87.252 | 335.760 |
| Isoproturon | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Lead | ug Pb/l | S | 8 | 8 | >25.0 | 0 | 0.000 | < 0.060 | < 0.281 | < 1.000 |
| MCPA | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | 0.000 | 0.005 | 0.020 |
| Malathion | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Manganese | ug Mn/l | S | 36 | 36 | >50.0 | 1 | 2.778 | < 0.453 | < 6.800 | 53.950 |
| Mecoprop (MCCP) | ug/l | AS | 32 | 32 | >0.10 | 1 | 3.125 | 0.000 | 0.009 | 0.190 |
| Mercury | ug Hg/l | AS | 32 | 32 | >1.0 | 0 | 0.000 | < 0.046 | < 0.046 | < 0.046 |
| Nickel | ug Ni/l | S | 8 | 8 | >20.00 | 0 | 0.000 | < 0.500 | < 0.871 | 1.910 |
| Nitrate | mg NO3/l | S | 8 | 8 | >50.00 | 0 | 0.000 | 0.265 | 0.687 | 0.920 |
| Nitrite | mg NO2/l | S | 8 | 8 | >0.500 | 0 | 0.000 | < 0.000 | < 0.000 | < 0.000 |
| Odour | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| PAH - Sum of four substaug | ug/l | S | 8 | 8 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |
| Parathion | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.003 | < 0.003 | < 0.003 |

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Water Supply Zone - Z413 - Limavady
: Period 01-JAN-2005 to 31-DEC-2005 incl.

| Parameter | U/A & Freq. | No. of samples planned per annum | No. of samples taken in year | PCV | Auth Dep | No. Of samples contravening PCV | % of samples contravening PCV | Concentration or value (all samples) | | |
|----------------------------------|-------------|----------------------------------|------------------------------|-----|----------|---------------------------------|-------------------------------|--------------------------------------|----------|----------|
| | | | | | | | | Min. | Mean | Max. |
| Pentachlorophenol | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | < 0.008 |
| Propetamphos | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.002 | < 0.002 | < 0.002 |
| Selenium | ug Se/l | S | 8 | 8 | >10.0 | 0 | 0.000 | < 0.300 | < 0.300 | < 0.300 |
| Simazine | ug/l | AS | 32 | 32 | >0.100 | 0 | 0.000 | < 0.001 | < 0.001 | 0.009 |
| Sodium | mg Na/l | S | 8 | 8 | >200.00 | 0 | 0.000 | 9.982 | 18.120 | 23.431 |
| Sulphate | mg SO4/l | AS | 32 | 32 | >250 | 0 | 0.000 | < 0.000 | < 22.986 | 79.029 |
| Taste | Diln No | S | 36 | 36 | >3.0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Tecnazene | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.004 | < 0.004 | < 0.004 |
| Terbutryne | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.001 | < 0.001 | < 0.001 |
| Tetrachloroethene/Trichlug/l | ug/l | AS | 32 | 32 | >10.00 | 0 | 0.000 | < 0.200 | < 0.200 | < 0.200 |
| Tetrachloromethane | ug/l | AS | 32 | 32 | >3.00 | 0 | 0.000 | < 0.100 | < 0.100 | < 0.100 |
| Total - Residual disinfe mg Cl/l | mg/l | S | 96 | 96 | | 0 | 0.000 | 0.020 | 0.317 | 1.010 |
| Total Coliforms | MPN | S | 96 | 96 | >0 | 1 | 1.042 | 0.000 | 0.125 | 12.000 |
| Total Indicative Dose | mSv/year | AS | 32 | 32 | >0.100 | 0 | 0.000 | < 0.050 | < 0.066 | < 0.100 |
| Total Organic Carbon | mg C/l | AS | 32 | 33 | | 0 | 0.000 | < 0.040 | < 1.339 | 4.350 |
| Total Pesticides | ug/l | AS | 32 | 32 | >0.5000 | 0 | 0.000 | < 0.050 | < 0.058 | 0.197 |
| Total Trihalomethanes | ug/l | S | 8 | 8 | >100.0 | 0 | 0.000 | 32.700 | 57.263 | 94.000 |
| Trifluralin | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |
| Tritium | Bq/l | AS | 32 | 32 | >100.00 | 0 | 0.000 | < 10.000 | < 12.813 | < 40.000 |
| Turbidity | NTU | S | 36 | 36 | >4.00 | 0 | 0.000 | < 0.010 | < 0.312 | 1.350 |
| op-DDT | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.008 | < 0.008 | 0.010 |
| pp-DDT | ug/l | AS | 32 | 32 | >0.10 | 0 | 0.000 | < 0.006 | < 0.006 | < 0.006 |

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 35300

This zone has a surface water source :R4306

PCV Exceedences:

Sample failed 07-NOV-2005 (W4326OUT) Clostridium perfringens (sulph red) = 20 No./100.
 Sample failed 03-OCT-2005 (W4301OUT) Glyphosate = 0.16 ug/l.
 Sample failed 25-APR-2005 (Z413AE) Iron = 288.265 ug.
 Sample failed 20-JUN-2005 (Z413AE) Iron = 277.128 ug.
 Sample failed 21-NOV-2005 (Z413AE) Iron = 285.11 ug.
 Sample failed 05-DEC-2005 (Z413AE) Iron = 335.76 ug.
 Sample failed 21-NOV-2005 (Z413AE) Manganese = 53.95 ug M.
 Sample failed 17-AUG-2005 (W4301OUT) Mecoprop (MCP) = 0.19 ug/l.
 Sample failed 22-JUN-2005 (Z413AE) Total Coliforms = 12 No./100.

Notes:

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