

## **Data Summary Tables for Anglian Water Services (ANG)**

These tables contain a summary of results of monitoring undertaken by the water company in 2010 and submitted to the Drinking Water Inspectorate. The tables are published by the Inspectorate as part of the Chief Inspector's Report entitled 'Drinking water 2010'.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.gov.uk>

### **Notes relating to the interpretation of the tables : -**

Columns on the following tables that are headed '1 percentile representing a minimum' and '99 percentile representing a maximum' contain figures for the 1 percentile and 99 percentile sample results respectively except where less than 100 samples were taken, when the figures are the actual maximum and minimum results.

The symbol < indicates that the result was less than the limit of detection of the analytical method used.

Published 7 July 2011  
Drinking Water Inspectorate  
Area 4a  
Ergon House  
Horseferry Road  
London  
SW1P 2AL

Enquiries : 030 0068 6400

## Viewing Site Summary Data for Anglian Water Services Ltd

Report Date Range: For the whole year 2010

**Table ANG 1: Quality of water leaving treatment works - European Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Nitrite (Works)	A013B	0.1 mg NO <sub>2</sub> /l	1,956	0	< 0.005	0.007	0
<b>Totals:</b>			<b>1,956</b>	<b>0</b>			

**Table ANG 2: Quality of water leaving treatment works - National Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	13,671	2	0	0	2
Cryptosporidium	C111	n/a	838				
E Coli	C002	0 number/100 ml	13,671	0	0	0	0
<b>Totals:</b>			<b>28,180</b>	<b>2</b>			

**Table ANG 3: Quality of water leaving treatment works - Additional Monitoring Requirements**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	13,686	n/a	0	21
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	13,678	n/a	0	7
Residual Disinfectant - Total	C010	No abnormal change	13,691	n/a	0.31	1.43
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	9,306	1	0.0207	0.18
<b>Totals:</b>			<b>50,361</b>	<b>1</b>		

**Table ANG 4: Quality of water leaving service reservoirs - National Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	19,220	8	0	0	0
E Coli	C002	0 number/100 ml	19,220	2	0	0	2
<b>Totals:</b>			<b>38,440</b>	<b>10</b>			

**Table ANG 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	19,247	n/a	0	178
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	19,248	n/a	0	58
Residual Disinfectant - Total	C010	No abnormal change	19,261	n/a	0.12	1.03
<b>Totals:</b>			<b>57,756</b>	<b>0</b>		

Table ANG 6: Quality of water leaving bulk supply points - European Standards

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of supply points with failures
1,2 Dichloroethane	F001	3 µg/l	1,116	0	< 0.024	< 0.12	0
Benzene	F002	1 µg/l	1,116	0	< 0.048	< 0.06	0
Boron	D005A	1 mg B/l	1,092	0	< 0.03656	0.22791	0
Bromate	F003	10 µg BrO3/l	1,038	0	< 0.07	2.1	0
Cyanide	B003	50 µg CN/l	1,089	0	< 1	1.371	0
Fluoride	A027	1.5 mg F/l	1,082	0	0.069	1.09617	0
Mercury	B005	1 µg Hg/l	1,094	0	< 0.029	< 0.029	0
Pesticides - Total Substances	B010	0.5 µg/l	1,122	0	0	0.30201	0
Pesticides 2,4-D	P020	0.1 µg/l	482	0	< 0.005	< 0.005	0
Pesticides Atrazine	P004	0.1 µg/l	1,091	0	< 0.002	0.02408	0
Pesticides Benazolin	P138	0.1 µg/l	17	0	< 0.005	< 0.005	0
Pesticides Bentazone	P006	0.1 µg/l	625	0	< 0.004	0.01048	0
Pesticides Bromacil	P086	0.1 µg/l	625	0	< 0.003	0.004	0
Pesticides Carbetamide	P010	0.1 µg/l	482	0	< 0.009	0.021	0
Pesticides Chloridazon	P162	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides Chlortoluron	P014	0.1 µg/l	1,091	0	< 0.003	< 0.003	0
Pesticides Clopyralid	P018	0.1 µg/l	482	7	< 0.007	0.27536	1
Pesticides Cyanazine	P092	0.1 µg/l	482	0	< 0.004	0.013	0
Pesticides Dichlorprop	P026	0.1 µg/l	625	0	< 0.002	0.00474	0
Pesticides Diuron	P032	0.1 µg/l	1,091	0	< 0.006	< 0.006	0
Pesticides Ethofumersate	P221	0.1 µg/l	8	0	0.007	0.019	0
Pesticides Flufenacet	P230	0.1 µg/l	8	0	< 0.004	< 0.005	0
Pesticides Fluroxypyr	P040	0.1 µg/l	9	0	< 0.003	< 0.003	0
Pesticides Glyphosate	P042	0.1 µg/l	61	0	< 0.002	< 0.009	0
Pesticides Isoproturon	P048	0.1 µg/l	1,091	0	< 0.003	< 0.003	0
Pesticides Linuron	P051	0.1 µg/l	1,091	0	< 0.003	< 0.003	0
Pesticides MCPA	P054	0.1 µg/l	625	0	< 0.004	< 0.005	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	625	0	< 0.003	0.01274	0
Pesticides Metaldehyde	P226	0.1 µg/l	260	44	< 0.005	0.168	10
Pesticides Metazachlor	P203	0.1 µg/l	17	0	< 0.003	< 0.01	0
Pesticides Monuron	P113	0.1 µg/l	1,091	0	< 0.005	< 0.005	0
Pesticides Prometryn	P070	0.1 µg/l	1,091	0	< 0.003	< 0.003	0
Pesticides Propazine	P066	0.1 µg/l	1,091	0	< 0.002	< 0.002	0
Pesticides Propyzamide	P071	0.1 µg/l	482	0	< 0.004	0.04934	0

Pesticides Quinmerac	P244	0.1 µg/l	111	0	< 0.006	0.04088	0
Pesticides Simazine	P073	0.1 µg/l	1,091	0	< 0.004	0.02308	0
Pesticides Terbutylazine	P173	0.1 µg/l	9	0	< 0.003	< 0.003	0
Pesticides Terbutryn	P077	0.1 µg/l	1,091	0	< 0.002	< 0.002	0
Pesticides Trietazine	P132	0.1 µg/l	1,091	0	< 0.002	0.01308	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	1,116	0	0	1.2849	0
<b>Totals:</b>			<b>27,910</b>	<b>51</b>			

**Table ANG 7: Quality of water leaving bulk supply points - National Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of supply points with failures
Tetrachloromethane	D008	3 µg/l	1,116	0	< 0.042	0.28498	0
<b>Totals:</b>			<b>1,116</b>	<b>0</b>			

**Table ANG 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Chloride (Indicator)	D002A	250 mg Cl/l	1,092	0	16.458	120
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	3,063	0	0	0
Conductivity (Indicator)	D001	2500 µS/cm	3,428	0	290.03	925
Gross Alpha Activity	F004	0.1 Bq/l	35	0	< 0.02	< 0.089
Gross Beta Activity	F005	1 Bq/l	35	0	0.018	0.115
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	1,093	2	10.694	200.18
Total organic carbon (indicator)	A017	No abnormal change	1,090	n/a	0.49	3.8818
<b>Totals:</b>			<b>9,836</b>	<b>2</b>		

**Table ANG 9: Quality of water at consumer's tap (zones) - European Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	35	0	< 0.024	< 0.12	0
Antimony	B008A	5 µg Sb/l	1,327	0	< 0.01	0.98	0
Arsenic	B001A	10 µg As/l	1,327	0	< 0.14	3.3272	0
Benzene	F002	1 µg/l	35	0	< 0.048	< 0.06	0
Benzo (a) Pyrene	D007	0.01 µg/l	1,304	0	< 0.001	0.001	0
Boron	D005A	1 mg B/l	35	0	0.037	0.487	0
Bromate	F003	10 µg BrO3/l	156	0	< 0.07	2.4474	0
Cadmium	B002	5 µg Cd/l	1,325	0	< 0.007	0.1574	0
Chromium	B004	50 µg Cr/l	1,325	0	< 1.449	2.0974	0
Copper	A024A	2 mg Cu/l	1,322	0	< 0.002	0.70525	0
Cyanide	B003	50 µg CN/l	36	0	1	1.77	0
E Coli	C002	0 number/100 ml	11,677	3	0	0	3
Enterococci	C003	0 number/100 ml	1,325	0	0	0	0
Fluoride	A027	1.5 mg F/l	45	0	0.046	0.409	0
Lead	B007A	25 µg Pb/l	1,322	0	< 0.017	6.9409	0
Mercury	B005	1 µg Hg/l	35	0	< 0.029	< 0.029	0
Nickel	B006A	20 µg Ni/l	1,322	5	< 0.146	15.831	5
Nitrate	A012	50 mg NO3/l	2,666	0	0.49838	40.566	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	2,666	0	0.010001	0.812459	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	2,680	1	< 0.005	0.31238	1
Pesticides - Total Substances	B010	0.5 µg/l	59	0	0	0.075	0
Pesticides 2,4-D	P020	0.1 µg/l	5	0	< 0.005	< 0.005	0
Pesticides Aldrin	P002	0.03 µg/l	35	0	< 0.003	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	36	0	< 0.002	< 0.012	0
Pesticides Bentazone	P006	0.1 µg/l	5	0	< 0.004	< 0.004	0
Pesticides Bromacil	P086	0.1 µg/l	5	0	< 0.003	< 0.003	0
Pesticides Carbetamide	P010	0.1 µg/l	5	0	< 0.009	< 0.011	0
Pesticides Chlortoluron	P014	0.1 µg/l	34	0	< 0.003	< 0.003	0
Pesticides Clopyralid	P018	0.1 µg/l	5	0	< 0.007	< 0.033	0
Pesticides Cyanazine	P092	0.1 µg/l	5	0	< 0.004	< 0.004	0
Pesticides Dichlorprop	P026	0.1 µg/l	5	0	< 0.002	< 0.002	0
Pesticides Dieldrin	P028	0.03 µg/l	34	0	< 0.002	< 0.002	0
Pesticides Diuron	P032	0.1 µg/l	34	0	< 0.006	< 0.006	0
Pesticides Heptachlor	P043	0.03 µg/l	35	0	< 0.002	< 0.002	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	35	0	< 0.002	< 0.002	0

Pesticides Isoproturon	P048	0.1 µg/l	34	0	< 0.003	< 0.003	0
Pesticides Linuron	P051	0.1 µg/l	34	0	< 0.003	< 0.003	0
Pesticides MCPA	P054	0.1 µg/l	5	0	< 0.004	< 0.004	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	5	0	< 0.003	< 0.003	0
Pesticides Metaldehyde	P226	0.1 µg/l	13	0	0.039	0.075	0
Pesticides Monuron	P113	0.1 µg/l	34	0	< 0.005	< 0.005	0
Pesticides Prometryn	P070	0.1 µg/l	36	0	< 0.003	< 0.003	0
Pesticides Propazine	P066	0.1 µg/l	36	0	< 0.002	< 0.002	0
Pesticides Propyzamide	P071	0.1 µg/l	5	0	< 0.004	< 0.014	0
Pesticides Simazine	P073	0.1 µg/l	36	0	< 0.004	< 0.009	0
Pesticides Terbutryn	P077	0.1 µg/l	36	0	< 0.002	< 0.002	0
Pesticides Trietazine	P132	0.1 µg/l	36	0	< 0.002	< 0.002	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	1,304	0	0	0.005	0
Selenium	B009	10 µg Se/l	1,328	0	< 0.19	3.89	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	35	0	0	3.66	0
Total Trihalomethanes	D011	100 µg/l	1,311	0	1.812	58.076	0
<b>Totals:</b>			<b>36,590</b>	<b>9</b>			

**Table ANG 10: Quality of water at consumer's tap (zones) - National Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
Aluminium	A021	200 µg Al/l	2,260	0	< 2	7.3	0
Colour	A001	20 mg/l Pt/Co scale	2,402	0	< 0.34	1.797	0
Iron	A022	200 µg Fe/l	3,323	13	< 6	117.76	11
Manganese	A023	50 µg Mn/l	2,335	2	< 1	11.028	2
Organoleptic Odour	A003	0 Dilution number	2,565	4	0	0	4
Organoleptic Taste	A004	0 Dilution number	2,370	1	0	0	0
Sodium	A009	200 mg Na/l	1,330	2	9.4855	89.183	2
Tetrachloromethane	D008	3 µg/l	35	0	< 0.042	< 0.08	0
Turbidity	A002	4 nephelometric turbidity units	2,959	0	0.03	0.41	0
<b>Totals:</b>			<b>19,579</b>	<b>22</b>			

**Table ANG 11: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium (Indicator)	A014	0.5 mg NH <sub>4</sub> /l	3,143	0	< 0.005	0.30556
Chloride (Indicator)	D002A	250 mg Cl/l	35	0	10.7	81.2
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	35	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	11,677	20	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	11,690	n/a	0	52
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	11,691	n/a	0	47
Conductivity (Indicator)	D001	2500 µS/cm	40	0	271	728
Gross Alpha Activity	F004	0.1 Bq/l	7	1	< 0.042	< 0.175
Gross Beta Activity	F005	1 Bq/l	7	0	0.068	0.148
Hydrogen ion (pH)	A006	6.5-9.5 pH Value	2,384	1	7.08	7.8715
Residual Disinfectant - Total	C010	No abnormal change	11,704	n/a	0.09	1.0495
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	35	0	7.5	124
Total Indicative Dose (Gross Alpha and Beta)	F007	0.1 mSv/year	1	0	0.0054	0.0054
Total organic carbon (indicator)	A017	No abnormal change	35	n/a	0.3	3.98
<b>Totals:</b>			<b>52,484</b>	<b>22</b>		