

Data Summary Tables for Anglian Water Services Ltd (ANG)

These tables contain a summary of results of monitoring undertaken by the water company in 2006 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 2006'.

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 June 26th 2007
Drinking Water Inspectorate
55, Whitehall
London
SW1A 2EY

Enquiries : 020 7082 8024

Data Summary 2006 for ANGLIAN WATER SERVICES LTD (ANG)

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

Parameter	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	A013B	0.1 mg NO ₂ /l	1992	0	<0.003	0.008	0
TOTAL	-	-	1992	0	-	-	-

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

Parameter	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	12849	4	0	0	4
Cryptosporidium	C111	oocysts >1 in10 litres	1609	0	-	'-	0
<i>E. coli</i>	C002	0 number/100 ml	12849	0	0	0	0
TOTAL	-	-	27307	4	-	-	-

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

Indicator Parameter	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	C007	No abnormal change	12857	n/a	0	17
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	12856	n/a	0	11
Residual Disinfectant - Total	C010	No abnormal change	13046	n/a	0.26	1.49
Turbidity	A002A	1 NTU	9762	3	0.02	0.24
TOTAL	-	-	48521	3	-	-

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

Parameter	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	20177	10	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	20177	1	0	0	1
TOTAL	-	-	40354	11	-	-	-

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

Indicator Parameter	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	C007	No abnormal change	20179	n/a	0	244
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	20182	n/a	0	163
Residual Disinfectant - Total	C010	No abnormal change	20209	n/a	0.09	0.92
TOTAL	-	-	60570	0	-	-

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

Parameter	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	1060	0	<0.024	<0.024	0
Antimony	B008A	5 µg Sb/l	1078	0	<0.29	1.1536	0
Arsenic	B001A	10 µg As/l	1062	0	<0.34	4.047	0
Benzene	F002	1 µg/l	1060	0	<0.048	<0.048	0
Boron	D005A	1 mg B/l	1078	0	<0.068	0.21394	0
Bromate	F003	10 µg BrO ₃ /l	897	0	<0.5	1.702	0
Cadmium	B002	5 µg Cd/l	1078	0	<0.39	<0.39	0
Cyanide	B003	50 µg CN/l	1081	0	<0.1	2.4	0
Fluoride	A027	1.5 mg F/l	1079	0	0.0734	1.096	0
Mercury	B005	1 µg Hg/l	1079	0	<0.035	<0.035	0
Selenium	B009	10 µg Se/l	1070	0	<0.54	4.5332	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	1060	0	0	1.1639	0
Trihalomethanes (THMs)	D011	100 µg/l	695	0	0	17.128	0
Pesticides (Aldrin)	P002	µg/l	22	0	<0.006	<0.009	0
Pesticides (Atrazine)	P004	µg/l	1093	0	<0.004	0.03906	0
Pesticides (Benazolin)	P138	µg/l	30	0	<0.01	<0.01	0
Pesticides (Bentazone)	P006	µg/l	539	0	<0.002	<0.01	0
Pesticides (Bromacil)	P086	µg/l	539	0	<0.004	<0.01	0
Pesticides (Carbetamide)	P010	µg/l	42	0	<0.005	0.04	0
Pesticides (Chlortoluron)	P014	µg/l	1093	0	<0.004	<0.02	0
Pesticides (Cyanazine)	P092	µg/l	25	0	<0.004	<0.01	0
Pesticides (Dichlorprop)	P026	µg/l	539	0	<0.003	<0.01	0
Pesticides (Dieldrin)	P028	µg/l	22	0	<0.004	<0.013	0
Pesticides (Diuron)	P032	µg/l	1093	0	<0.004	<0.02	0
Pesticides (Fluroxypyr)	P040	µg/l	10	0	<0.01	<0.01	0
Pesticides (Heptachlor)	P043	µg/l	22	0	<0.003	<0.004	0
Pesticides (Heptachlor epoxide)	P044	µg/l	22	0	<0.007	<0.026	0
Pesticides (Isoproturon)	P048	µg/l	1093	0	<0.00294	<0.02	0
Pesticides (Linuron)	P051	µg/l	1093	0	<0.002	<0.02	0
Pesticides (MCPA)	P054	µg/l	539	0	<0.003	<0.01	0
Pesticides (MCPP(Mecoprop))	P053	µg/l	539	0	<0.004	0.02	0
Pesticides (Monuron)	P113	µg/l	1093	0	<0.003	<0.02	0
Pesticides (Prometryn)	P070	µg/l	1093	0	<0.002	<0.02	0
Pesticides (Propazine)	P066	µg/l	1093	0	<0.003	<0.02	0

Pesticides (Simazine)	P073	µg/l	1093	0	<0.004	0.03	0
Pesticides (Terbuthylazine)	P173	µg/l	11	0	0.003	<0.02	0
Pesticides (Terbutryn)	P077	µg/l	1093	0	<0.002	<0.02	0
Pesticides (Trietazine)	P132	µg/l	1093	7	<0.002	0.02	1
Pesticides - Total Substances	B010	0.5 µg/l	1105	0	0	0.081	0
TOTAL	-	-	29406	7	-	-	-

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

Parameter	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	1060	0	<0.042	0.40934	0
TOTAL	-	-	1060	0	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Chloride	D002A	250 mg Cl/l	1079	0	16.48	117.2
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	3033	0	0	0
Conductivity	D001	2500 µS/cm	3680	0	369.62	920.19
Radioactivity - Gross Alpha	F004	0.1 Bq/l	768	32*	<0.05	0.14
Radioactivity - Gross Beta	F005	1 Bq/l	768	0	<0.1	0.54
Radioactivity - Total Indicative Dose	F007	0.1 mSv/year	35	0	0.001	0.007
Sulphate	A007	250 mg SO ₄ /l	1078	6	10.179	232.68
Total Organic Carbon (TOC)	A017	No abnormal change	1080	n/a	0.4681	3.8819
TOTAL	-	-	11521	38	-	-

* requires more specific analysis to determine the source and type of radioactivity (Total Indicative Dose).

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

Parameter	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	24	0	0.024	<0.024	0
Antimony	B008A	5 µg Sb/l	26	0	0.29	0.45	0
Arsenic	B001A	10 µg As/l	34	0	0.34	4.71	0
Benzene	F002	1 µg/l	24	0	0.048	<0.048	0
Benzo (a) Pyrene	D007	0.01 µg/l	1378	0	<0.001	<0.01	0
Boron	D005A	1 mg B/l	26	0	0.068	0.189	0
Bromate	F003	10 µg BrO ₃ /l	275	0	<0.5	5.204	0
Cadmium	B002	5 µg Cd/l	26	0	0.39	<0.39	0
Chromium	B004	50 µg Cr/l	1350	0	<0.76	3.0843	0
Copper	A024A	2 mg Cu/l	1352	0	<0.009	0.60087	0
Cyanide	B003	50 µg CN/l	25	0	0.32	2.5	0
<i>E. coli</i>	C002	0 number/100 ml	11918	0	0	0	0
Enterococci	C003	0 number/100 ml	1367	0	0	0	0
Fluoride	A027	1.5 mg F/l	41	0	0.043	1.018	0
Lead	B007A	25 µg Pb/l	1353	2	<0.123	8.9258	2
Mercury	B005	1 µg Hg/l	24	0	0.035	<0.035	0
Nickel	B006A	20 µg Ni/l	1362	18	<0.44	22.407	6
Nitrate	A012	50 mg NO ₃ /l	2891	1	0.50704	43.5	1
Nitrite	A013A	0.5 mg NO ₂ /l	2891	1	<0.003	0.33116	1
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	2891	1	0.01	0.87032	1
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	1378	0	0	0.006	0
Selenium	B009	10 µg Se/l	41	0	0.54	4.65	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	24	0	0	0	0
Trihalomethanes (THMs)	D011	100 µg/l	761	0	1.762	63.076	0
Pesticides (Atrazine)	P004	µg/l	30	0	0.004	0.02	0
Pesticides (Bentazone)	P006	µg/l	21	0	0.002	0.03	0
Pesticides (Bromacil)	P086	µg/l	21	0	0.004	<0.01	0
Pesticides (Chlortoluron)	P014	µg/l	30	0	0.004	<0.02	0
Pesticides (Dichlorprop)	P026	µg/l	21	0	0.003	<0.01	0
Pesticides (Diuron)	P032	µg/l	30	0	0.004	0.02	0
Pesticides (Isoproturon)	P048	µg/l	30	0	0.002	0.02	0
Pesticides (Linuron)	P051	µg/l	30	0	0.002	<0.02	0
Pesticides (MCPA)	P054	µg/l	21	0	0.003	<0.01	0
Pesticides (MCP (Mecoprop))	P053	µg/l	21	0	0.004	0.02	0
Pesticides (Monuron)	P113	µg/l	30	0	0.003	<0.02	0
Pesticides (Prometryn)	P070	µg/l	30	0	0.002	<0.02	0

Pesticides (Propazine)	P066	µg/l	30	0	0.003	<0.02	0
Pesticides (Simazine)	P073	µg/l	30	0	0.004	0.04	0
Pesticides (Terbutryn)	P077	µg/l	30	0	0.002	<0.02	0
Pesticides (Trietazine)	P132	µg/l	30	0	0.002	<0.02	0
Pesticides - Total Substances	B010	0.5 µg/l	31	0	0	0.07	0
TOTAL	-	-	31948	23	-	-	-

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

Parameter	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	2335	0	<11	<11	0
Colour	A001	20 mg/l Pt/Co scale	2571	0	<0.34	2.1	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	2625	0	7.12	7.92	0
Iron	A022	200 µg Fe/l	3587	9	<7	119	8
Manganese	A023	50 µg Mn/l	2614	1	<1	14.095	1
Organoleptic Odour	A003	Dilution no. 3 at 25°C	2649	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	2538	0	0	0	0
Sodium	A009	200 mg Na/l	1348	2	8.7149	92.959	2
Tetrachloromethane	D008	3 µg/l	24	0	0.042	<0.042	0
Turbidity	A002	4 NTUs	2909	1	0.02	0.709	1
TOTAL	-	-	23200	13	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium	A014	0.5 mg NH ₄ /l	3366	0	<0.004	0.23433
Chloride	D002A	250 mg Cl/l	25	0	13	90.4
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	40	0	0	0
Coliform Bacteria	C001A	0 number/100 ml	11918	26	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	11929	n/a	0	64
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	11929	n/a	0	64
Conductivity	D001	2500 µS/cm	20	0	287	772
Hydrogen ion (pH)	A006A	9.5 pH Value	2625	0	7.12	7.92
Radioactivity - Gross Alpha	F004	0.1 Bq/l	1	0	0.08	0.08

Radioactivity - Gross Beta	F005	1 Bq/l	1	0	0.12	0.12
Residual Disinfectant - Total	C010	No abnormal change	11945	n/a	0.06	0.96
Sulphate	A007	250 mg SO ₄ /l	26	0	8.25	134
Total Organic Carbon (TOC)	A017	No abnormal change	25	n/a	0.24	4.46
TOTAL	-	-	53850	26	-	-