

Data Summary Tables for Wessex Water Services Ltd (WSX)

These tables contain a summary of results of monitoring undertaken by the water company in 2007 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 2007'.

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.

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Data Summary (Q) for WESSEX WATER SERVICES LTD

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	A013B	0.1 mg NO ₂ /l	1306	1	<0.01	0.015951	1
TOTAL	-	-	1306	1	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	10738	10	0	0	8
Cryptosporidium	C111	Oocyst concentration / 10l	2861	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	10739	1	0	0	1
TOTAL	-	-	21508	11	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	10704	N/A	0	100
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	10705	N/A	0	11
Residual Disinfectant - Free	C009	No abnormal change	10756	N/A	0.14	0.82
Residual Disinfectant - Total	C010	No abnormal change	10753	N/A	0.19	0.9
Turbidity	A002A	1 NTU	10688	8	<0.25	0.37
TOTAL	-	-	53606	8	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	15807	27	0	0	2
<i>E. coli</i>	C002	0 number/100 ml	15807	0	0	0	0
TOTAL	-	-	31614	27	-	-	-

Table WSX 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	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	15790	N/A	0	1051
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	15795	N/A	0	49
Residual Disinfectant - Free	C009	No abnormal change	15825	N/A	0.05	0.56
Residual Disinfectant - Total	C010	No abnormal change	15823	N/A	0.09	0.63
TOTAL	-	-	63233	0	-	-

Table WSX 6: Quality of water at consumer's tap (zones) - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	578	0	<0.12	<0.12	0
Antimony	B008A	5 µg Sb/l	692	0	<0.1	0.2	0
Arsenic	B001A	10 µg As/l	684	0	<0.1	0.845	0
Benzene	F002	1 µg/l	578	0	<0.11	<0.11	0
Benzo (a) Pyrene	D007	0.01 µg/l	579	0	<0.0004	0.00132	0
Boron	D005A	1 mg B/l	692	0	<0.01	0.102	0
Bromate	F003	10 µg BrO ₃ /l	578	0	<0.6	1.421	0
Cadmium	B002	5 µg Cd/l	2169	0	<0.1	0.123	0
Chromium	B004	50 µg Cr/l	692	0	<2	2.707	0
Copper	A024A	2 mg Cu/l	633	1	<0.01	0.6366	1
Cyanide	B003	50 µg CN/l	576	0	<2	<2	0
<i>E. coli</i>	C002	0 number/100 ml	3575	1	0	0	1
Enterococci	C003	0 number/100 ml	599	0	0	0	0
Fluoride	A027	1.5 mg F/l	575	0	<0.05	0.71	0
Lead	B007A	25 µg Pb/l	582	1	<1	6.251	1
Mercury	B005	1 µg Hg/l	578	0	<0.02	0.14	0
Nickel	B006A	20 µg Ni/l	578	3	<1	11.984	3
Nitrate	A012	50 mg NO ₃ /l	594	0	<0.885	42.3984	0
Nitrite	A013A	0.5 mg NO ₂ /l	597	0	<0.01	0.078874	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	1753	0	<0.1	0.2	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	579	0	0	0.00626	0
Selenium	B009	10 µg Se/l	577	0	<0.2	0.3	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	581	0	<0.5	<0.5	0
Trihalomethanes (THMs)	D011	100 µg/l	581	0	0.10824	70.8235	0
Pesticides (2,4-D)	P020	0.1 µg/l	582	0	<0.003	0.006	0
Pesticides (Aldrin)	P002	0.03 µg/l	582	0	<0.003	<0.003	0
Pesticides (Alpha-HCH)	P003	0.1 µg/l	582	0	<0.003	<0.003	0
Pesticides (Atrazine)	P004	0.1 µg/l	582	0	<0.005	0.018	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	582	0	<0.007	0.00917	0
Pesticides (Dicamba)	P025	0.1 µg/l	582	0	<0.006	<0.006	0
Pesticides (Dieldrin)	P028	0.03 µg/l	582	0	<0.003	0.003204	0
Pesticides (Diuron)	P032	0.1 µg/l	582	0	<0.005	<0.005	0
Pesticides (Gamma-HCH (Lindane))	P041	0.1 µg/l	582	0	<0.003	<0.003	0
Pesticides (Heptachlor)	P043	0.03 µg/l	582	0	<0.003	<0.003	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	582	0	<0.003	<0.003	0
Pesticides (Isoproturon)	P048	0.1 µg/l	582	0	<0.007	<0.007	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Pesticides (Linuron)	P051	0.1 µg/l	582	0	<0.006	<0.006	0
Pesticides (MCPA)	P054	0.1 µg/l	582	0	<0.002	0.003	0
Pesticides (MCPMP(Mecoprop))	P053	0.1 µg/l	582	0	<0.002	0.003	0
Pesticides (Methabenzthiazuron)	P167	0.1 µg/l	582	0	<0.007	<0.007	0
Pesticides (pp-DDT)	P125	0.1 µg/l	582	0	<0.002	<0.002	0
Pesticides (Prometryn)	P070	0.1 µg/l	582	0	<0.008	<0.008	0
Pesticides (Propazine)	P066	0.1 µg/l	582	0	<0.003	<0.003	0
Pesticides (Simazine)	P073	0.1 µg/l	582	0	<0.007	0.01417	0
Pesticides (Terbutryn)	P077	0.1 µg/l	582	0	<0.009	<0.009	0
Pesticides (Tri-allate)	P079	0.1 µg/l	582	0	<0.003	<0.003	0
Pesticides (Trietazine)	P132	0.1 µg/l	582	0	<0.003	<0.003	0
Pesticides - Total Substances	B010	0.5 µg/l	582	0	0	0.027	0
TOTAL	-	-	34168	6	-	-	-

Table WSX 7: Quality of water at consumer's tap (zones) - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	A021	200 µg Al/l	1035	1	<10	81.2	1
Colour	A001	20 mg/l Pt/Co scale	1442	0	<2	3	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	1645	0	7	8.9	0
Iron	A022	200 µg Fe/l	1052	5	<10	109.4	3
Manganese	A023	50 µg Mn/l	1055	1	<5	8	1
Organoleptic Odour	A003	Dilution no. 3 at 25°C	827	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	817	0	0	0	0
Sodium	A009	200 mg Na/l	1163	0	5.8	48.348	0
Tetrachloromethane	D008	3 µg/l	593	0	<0.1	0.10906	0
Turbidity	A002	4 NTUs	1645	1	<0.25	0.6454	1
TOTAL	-	-	11274	8	-	-	-

Table WSX 8: 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	Minimum	Maximum
Ammonium	A014	0.5 mg NH ₄ /l	1451	0	<0.0128	0.055048
Chloride	D002A	250 mg Cl/l	590	0	8.837	48.463
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	1035	1	0	0
Coliform Bacteria	C001A	0 number/100 ml	3575	5	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	1550	N/A	0	291
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1571	N/A	0	46
Conductivity	D001	2500 µS/cm	1645	0	85.9275	693.752
Hydrogen ion (pH)	A006A	9.5 pH Value	1645	1	7	8.9
Radioactivity - Gross Alpha	F004	0.1 Bq/l	523	2	<0.02	0.05776
Radioactivity - Gross Beta	F005	1 Bq/l	523	0	<0.06	0.13504
Radioactivity - Tritium	F006	100 Bq/l	13	0	<3	3.3
Residual Disinfectant - Free	C009	No abnormal change	3578	N/A	<0.02	0.47
Residual Disinfectant - Total	C010	No abnormal change	3577	N/A	0.0278	0.53
Sulphate	A007	250 mg SO ₄ /l	587	0	<5	113.572
Total Organic Carbon (TOC)	A017	No abnormal change	579	N/A	<0.5	3.172
TOTAL	-	-	22442	9	-	-