

Data Summary Tables for South Staffordshire Water Plc (SST)

These tables contain a summary of results of monitoring undertaken by the water company in 2008 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 2008'.

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 July 2nd 2009
Drinking Water Inspectorate
55, Whitehall
London
SW1A 2EY

Enquiries : 020 7270 3370

Site Summary Data for South Staffordshire Water Plc

Report Date Range: For the whole year 2008

Table SST 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 ₂ /l	4,762	0	< 0.009	< 0.009	0
Totals:			4,762	0			

Table SST 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	4,757	0	0	0	0
Cryptosporidium	C111	(see note*)	373	0			0
E Coli	C002	0 number/100 ml	4,761	0	0	0	0
Totals:			9,891	0			

Table SST 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	4,760	N/A	0	10.39
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	4,761	N/A	0	6
Residual Disinfectant - Total	C010	No abnormal change	4,763	N/A	0.11	1.194
Turbidity (Indicator)	A002A	1 nephelometric turbidity unit	4,762	1	< 0.11	0.47
Totals:			19,046	1		

* Note : The Standard for *Cryptosporidium* ceased to exist when regulations changed from 22nd December 2007 but the regulatory monitoring related to *Cryptosporidium* risk assessments continued until 1st October.

Table SST 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	1,828	0	0	0	0
E Coli	C002	0 number/100 ml	1,828	0	0	0	0
Totals:			3,656	0			

Table SST 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	1,828	N/A	0	> 300
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	1,828	N/A	0	> 300
Residual Disinfectant - Total	C010	No abnormal change	1,829	N/A	0.02	0.54
Totals:			5,485	0		

Table SST 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	203	0	< 0.1	< 0.2	0
Benzene	F002	1 µg/l	203	0	< 0.03	< 0.05	0
Cyanide	B003	50 µg CN/l	203	0	< 0.4	2.496	0
Mercury	B005	1 µg Hg/l	203	0	< 0.006	0.021	0
Pesticides - Total Substances	B010	0.5 µg/l	203	0	0	0.069	0
Pesticides 2,3,6-Tba	P074	0.1 µg/l	51	0	< 0.02	< 0.02	0
Pesticides 2,4,5-T	P076	0.1 µg/l	51	0	< 0.003	< 0.003	0
Pesticides 2,4-D	P020	0.1 µg/l	51	0	< 0.003	0.007	0
Pesticides Aldrin	P002	0.03 µg/l	203	0	< 0.006	< 0.006	0
Pesticides Atrazine	P004	0.1 µg/l	203	0	< 0.001	0.04	0
Pesticides Bentazone	P006	0.1 µg/l	51	0	< 0.003	0.003	0
Pesticides Bromacil	P086	0.1 µg/l	203	0	< 0.005	< 0.007	0
Pesticides Carbetamide	P010	0.1 µg/l	203	0	< 0.005	0.007	0
Pesticides Chlortoluron	P014	0.1 µg/l	203	0	< 0.003	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	51	0	< 0.01	0.02	0
Pesticides Dicamba	P025	0.1 µg/l	51	0	< 0.01	< 0.01	0
Pesticides Dichlobenil	P098	0.1 µg/l	203	0	< 0.002	< 0.002	0
Pesticides Dichlorprop	P026	0.1 µg/l	51	0	< 0.003	< 0.003	0
Pesticides Dieldrin	P028	0.03 µg/l	203	0	< 0.005	< 0.005	0
Pesticides Diuron	P032	0.1 µg/l	203	0	< 0.003	0.012	0
Pesticides Heptachlor	P043	0.03 µg/l	203	0	< 0.005	< 0.005	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	203	0	< 0.006	< 0.006	0
Pesticides Isoproturon	P048	0.1 µg/l	203	0	< 0.002	0.016	0

Pesticides MCPA	P054	0.1 µg/l	51	0	< 0.002	0.017	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	51	0	< 0.004	0.067	0
Pesticides Metaldehyde	P226	0.1 µg/l	40	0	< 0.003	0.099	0
Pesticides Metazachlor	P203	0.1 µg/l	202	0	< 0.003	0.009	0
Pesticides Monuron	P113	0.1 µg/l	203	0	< 0.002	0.065	0
Pesticides Propazine	P066	0.1 µg/l	203	0	< 0.001	0.002	0
Pesticides Propyzamide	P071	0.1 µg/l	202	0	< 0.001	< 0.005	0
Pesticides Simazine	P073	0.1 µg/l	203	0	< 0.001	0.009	0
Pesticides Terbutryn	P077	0.1 µg/l	51	0	< 0.001	< 0.002	0
Pesticides Trichlopyr	P131	0.1 µg/l	51	0	< 0.002	0.007	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	203	0	< 0.2	3.696	0
Totals:			5,065	0			

Table SST 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	203	0	0.004	< 0.2	0
Totals:			203	0			

Table SST 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)
Gross Alpha Activity	F004	0.1 Bq/l	203	12	< 0.02	0.17
Gross Beta Activity	F005	1 Bq/l	203	0	0.04	0.26
Totals:			406	12		

Table SST 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
Antimony	B008A	5 µg Sb/l	190	0	< 0.17	1.26	0
Arsenic	B001A	10 µg As/l	190	0	< 0.12	3.401	0
Benzo (a) Pyrene	D007	0.01 µg/l	190	0	< 0.0004	0.002	0
Boron	D005A	1 mg B/l	190	0	< 0.014	0.105	0
Bromate	F003	10 µg BrO ₃ /l	190	0	< 0.2	2.618	0
Cadmium	B002	5 µg Cd/l	190	0	< 0.012	0.223	0
Chromium	B004	50 µg Cr/l	190	0	< 0.12	0.723	0
Copper	A024A	2 mg Cu/l	190	0	< 0.001	0.177	0
E Coli	C002	0 number/100 ml	3,398	0	0	0	0
Enterococci	C003	0 number/100 ml	190	0	0	0	0
Fluoride	A027	1.5 mg F/l	190	0	0.1	1.043	0
Lead	B007A	25 µg Pb/l	190	0	< 0.18	11.662	0
Nickel	B006A	20 µg Ni/l	190	0	< 0.5	2.661	0
Nitrate	A012	50 mg NO ₃ /l	190	0	< 0.6	46.063	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	190	0	0.01	0.923	0
Nitrite (Consumers tap)	A013A	0.5 mg NO ₂ /l	190	0	< 0.009	< 0.009	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	190	0	< 0.003	0.007	0
Selenium	B009	10 µg Se/l	190	0	< 0.3	0.997	0
Total Trihalomethanes	D011	100 µg/l	190	0	1.6	66.239	0
Totals:			6,894	0			

Table SST 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	1,147	2	< 6	94.04	2
Colour	A001	20 mg/l Pt/Co scale	1,147	0	< 0.7	4.452	0
Iron	A022	200 µg Fe/l	1,147	2	5	118.24	2
Manganese	A023	50 µg Mn/l	1,147	0	< 2.1	8.252	0
Organoleptic Odour	A003	<1 dilution number at 25°C	1,147	0			0
Organoleptic Taste	A004	<1 dilution number at 25°C	1,147	0			0
Sodium	A009	200 mg Na/l	190	0	9.28	65.818	0
Turbidity	A002	4 nephelometric turbidity units	1,147	1	< 0.11	0.67	1
Totals:			8,219	5			

Table SST 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 ₄ /l	1,147	0	< 0.01	0.03
Chloride (Indicator)	D002A	250 mg Cl/l	190	0	7.935	106
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	1,147	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	3,398	3	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	1,147	N/A	0	238.08
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	1,147	N/A	0	128.32
Conductivity (Indicator)	D001	2500 µS/cm	1,147	0	317.48	815.52
Hydrogen ion (pH)	A006	6.5 - 9.5 pH range	1,147	2	6.6	7.7
Residual Disinfectant - Total	C010	No abnormal change	3,399	N/A	0.03	0.45
Sulphate (Indicator)	A007	250 mg SO ₄ /l	190	0	17.979	155.45
Total organic carbon (indicator)	A017	No abnormal change	189	N/A	0.367	5.2
Totals:			14,248	5		